



Phone: 7908040652/7501133806

## SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014

P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650

[www.amdabadcollege.in](http://www.amdabadcollege.in) | Email: [sjmahavidyalaya@gmail.com](mailto:sjmahavidyalaya@gmail.com)

### 7.1.3 Integration of sustainability principles into the curriculum to foster a culture of environmental responsibility

#### SUBJECT: ENVIRONMENTAL STUDIES

Programme	Course type	Course number	Course Title	Content relating to environment and sustainability
BA/BSc Honours and General	Ability Enhancement Compulsory Course	AECC-2	Environmental Studies	The course introduces the idea of sustainability at the outset and the various units of the course delve deep into ecosystems, renewable and non-renewable natural resources, biodiversity and conservation, environmental pollution, environmental policies and practices, and the relationship between human communities and the environment. The fieldwork component of the course gives hands-on experience to students on environment and sustainability. This may involve a visit to an area to document environmental assets, or pollution in an urban/rural/industrial/agricultural context, or the study of common plants, birds, insects and basic principles of identification, or the study of simple ecosystems, disaster management or a coastal ecosystem.



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**Syllabus with issues relating to  
environment and sustainability  
identified above marked up  
(in bright pink)**

# Vidyasagar University

## Ability Enhancement Compulsory Course (AECC – Environmental Studies)

### Environmental Studies

Credits: 4

#### Unit 1: Introduction to environmental studies

- Multidisciplinary nature of environmental studies;
- Scope and importance; Concept of sustainability and sustainable development.

(2 lectures)

#### Unit 2: Ecosystems

- What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chains, food webs and ecological succession. Case studies of the following ecosystems:
  - a) Forest ecosystem
  - b) Grassland ecosystem
  - c) Desert ecosystem
  - d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

(6 lectures)

#### Unit 3: Natural Resources: Renewable and Non-renewable Resources

- Land resources and land use change; Land degradation, soil erosion and desertification.
- Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. Joint forest management.
- Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state).
- Energy resources: Renewable and non renewable energy sources, use of alternate energy sources, growing energy needs, case studies.

(8 lectures)

#### Unit 4: Biodiversity and Conservation

- Levels of biological diversity : genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots
- India as a mega-biodiversity nation; Endangered and endemic species of India
- Threats to biodiversity: Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.
- Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

(8 lectures)

#### Unit 5: Environmental Pollution

- Environmental pollution : types, causes, effects and controls; Air, water, soil and noise pollution
- Nuclear hazards and human health risks
- Solid waste management: Control measures of urban and industrial waste.
- Pollution case studies.
- Noise pollution.

(8 lectures)

### Unit 6: Environmental Policies & Practices

- Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture
- Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD).
- Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context.
- Environmental policy and gender issues.

(7 lectures)

### Unit 7: Human Communities and the Environment

- Human population growth: Impacts on environment, human health and welfare.
- Resettlement and rehabilitation of project affected persons; case studies.
- Disaster management: floods, earthquake, cyclones and landslides.
- Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan.
- Environmental ethics: Role of Indian and other religions and cultures in environmental conservation.
- Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi).

(6 lectures)

### Unit 8: Field work

- Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc.
- Visit to a local polluted site---Urban/Rural/Industrial/Agricultural.
- Study of common plants, insects, birds and basic principles of identification.
- Study of simple ecosystems---pond, river, Delhi Ridge, etc.
- Disaster management.
- Coastal ecosystem.

(Equal to 5 lectures)

### Suggested Readings:

1. Carson, R. 2002. *Silent Spring*. Houghton Mifflin Harcourt.
2. Gadgil, M., & Guha, R. 1993. *This Fissured Land: An Ecological History of India*. Univ. of California Press.
3. Gleeson, B. and Low, N. (eds.) 1999. *Global Ethics and Environment*, London, Routledge.
4. Gleick, P. H. 1993. *Water in Crisis*. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press.
5. Groom, Martha J., Gary K. Meffe, and Carl Ronald Carroll. *Principles of Conservation Biology*. Sunderland: Sinauer Associates, 2006.
6. Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India's Himalaya dams. *Science*, 339: 36--37.
7. McCully, P. 1996. *Rivers no more: the environmental effects of dams* (pp. 29--64). Zed Books.
8. McNeill, John R. 2000. *Something New Under the Sun: An Environmental History of the Twentieth Century*.
9. Odum, E.P., Odum, H.T. & Andrews, J. 1971. *Fundamentals of Ecology*. Philadelphia: Saunders.
10. Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. *Environmental and Pollution Science*. Academic Press.

11. Rao, M.N. & Datta, A.K. 1987. *Waste Water Treatment*. Oxford and IBH Publishing Co. Pvt. Ltd.
12. Raven, P.H., Hassenzahl, D.M. & Berg, L.R. 2012. *Environment*. 8<sup>th</sup> edition. John Wiley & Sons.
13. Rosencranz, A., Divan, S., & Noble, M. L. 2001. *Environmental law and policy in India. Tripathi 1992*.
14. Sengupta, R. 2003. *Ecology and economics: An approach to sustainable development*. OUP.
15. Singh, J.S., Singh, S.P. and Gupta, S.R. 2014. *Ecology, Environmental Science and Conservation*. S. Chand Publishing, New Delhi.
16. Sodhi, N.S., Gibson, L. & Raven, P.H. (eds). 2013. *Conservation Biology: Voices from the Tropics*. John Wiley & Sons.
17. Thapar, V. 1998. *Land of the Tiger: A Natural History of the Indian Subcontinent*.
18. Warren, C. E. 1971. *Biology and Water Pollution Control*. WB Saunders.
19. Wilson, E. O. 2006. *The Creation: An appeal to save life on earth*. New York: Norton.
20. World Commission on Environment and Development. 1987. *Our Common Future*. Oxford University Press.



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### 7.1.3 Integration of sustainability principles into the curriculum to foster a culture of environmental responsibility

#### SUBJECT: BENGALI

Programme	Course type	Course number	Course Title	Content relating to environment and sustainability
BA Honours	Honours Core	CC3	<i>Pracin o Madhya juger Pada path</i>	<i>Caryapada, Baishnab Padabali</i>
BA Honours	Honours Core	CC5	<i>Unish o bish Shataker Prabandha o Kavya Sahityer Itihas Ebong Akhan Sahitya Path</i>	<i>Shakuntala</i>
BA Honours	Honours Core	CC 8	<i>Unish o Bish Shataker Natya o Katha Sahityer Itihas Ebong Chotogalpa Path</i>	<i>Atithi, Samapti, Tarinimajhi</i>
BA Honours	Honours Core	CC10	<i>Upanyas Path</i>	<i>Kabi</i>
BA Honours	Honours Core	CC 11	<i>Natya Path</i>	<i>Dakghar</i>
BA Honours	Discipline Specific Elective	DSE 2	<i>Bangla Bitarkamulak, Soundarjyatattwamulak ebong Bigyanchetanamulak Grantha Path</i>	<i>Abyakta</i>
BA Honours	Generic Elective	GE 3	<i>Upanyas o chotogalpa path</i>	<i>Pather Panchali, Postmaster, Nimgach</i>
BA General	Discipline Specific Core	DSC1B	<i>Kavya kabita</i>	<i>Baishnab Padabali</i>
BA General	Discipline Specific Core	DSC1C	<i>Bangla Kathasahitya, Natak o Prabandha</i>	<i>Pather Panchali</i>



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**Syllabi with issues relating to  
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# VIDYASAGAR UNIVERSITY



**Curriculum for 3-Year B. A (HONOURS)**

**in**

**Bengali**

**Under Choice Based Credit System (CBCS)**

**w.e.f 2018-2019**



**VIDYASAGAR UNIVERSITY**  
**BA (Honours) in Bengali**  
[Choice Based Credit System]

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks			
							CA	ESE	TOTAL	
<b>Semester-I</b>										
1	I	Core-1		CT1: বাংলা ভাষার উদ্ভব ও পরিচয়	6	5-1-0	15	60	75	
		Core-2		CT2: বাংলা সাহিত্যের ইতিহাস (প্রাচীন ও মধ্যযুগ)	6	5-1-0	15	60	75	
		GE-1		TBD	6	5-1-0/ 4-0-4	15	60	75	
		AECC-1 (Elective)		English/MIL						2
	<b>Semester -I: total</b>					<b>20</b>				<b>275</b>
	<b>Semester-II</b>									
	II		Core-3		CT3: প্রাচীন ও মধ্যযুগের পদপাঠ	6	5-1-0	15	60	75
			Core-4		CT4: চৈতন্য জীবনী ও মঙ্গলকাব্য সাহিত্যপাঠ	6	5-1-0	15	60	75
			GE-2		TBD	6	5-1-0/ 4-0-4	15	60	75
			AECC-2 (Elective)		ENVS					
<b>Semester-II : total</b>					<b>22</b>				<b>325</b>	

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks		
							CA	ESE	TOTAL
<b>Semester-III</b>									
2	III	Core-5		CT5: উনিশ-বিশ শতকের প্রবন্ধ ও কাব্য-সাহিত্যের ইতিহাস এবং আখ্যান সাহিত্য পাঠ	6	5-1-0	15	60	75
		Core-6		CT6: ছন্দ-অলংকার ও নির্বাচিত কবিতা পাঠ	6	5-1-0	15	60	75
		Core-7		CT7: প্রবন্ধ সাহিত্য পাঠ	6	5-1-0	15	60	75
		GE-3		TBD	6	5-10/ 4-0-4	15	60	75
		SEC-1		SEC-1: বাংলা ব্যাকরণ ও অনুবাদতত্ত্ব Or লিখন দক্ষতা বৃদ্ধি	2	1-1-0	10	40	50
<b>Semester – III : total</b>					<b>26</b>				<b>350</b>
<b>Semester-IV</b>									
	IV	Core-8		CT8: উনিশ ও বিশ শতকের নাট্য ও কথাসাহিত্যের ইতিহাস এবং ছোটগল্প পাঠ	6	5-1-0	15	60	75
		Core-9		CT9: কাব্যপাঠ	6	5-1-0	15	60	75
		Core-10		CT10: উপন্যাস পাঠ	6	5-1-0	15	60	75
		GE-4		TBD	6	5-1-0/ 4-0-4	15	60	75
		SEC-2		SEC-2: বাংলা ভাষা ও সাহিত্য বিষয়ক প্রকল্প রচনা ও প্রকল্পের উপস্থাপনা Or চিত্রনাট্য রচনা ও সাম্প্রতিক ঘটনা-বিশ্লেষণ	2	1-1-0	10	40	50
<b>Semester – IV : total</b>					<b>26</b>				<b>350</b>

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks		
							CA	ESE	TOTAL
		<b>Semester-V</b>							
<b>3</b>	<b>V</b>	Core-11		CT11: নাট্য পাঠ	6	5-1-0	15	60	75
		Core-12		CT12: কাব্যতত্ত্ব, পাশ্চাত্য সাহিত্য সমালোচনা তত্ত্ব ও সাহিত্যের রূপরীতি	6	5-1-0	15	60	75
		DSE-1		DSE-1: প্রাচীন সাহিত্যতত্ত্ব ও সাহিত্যতাত্ত্বিক or বাংলা সাহিত্যে প্রভাব or সাহিত্য আন্দোলন, সমালোচনা ও রূপরীতি	6	5-1-0	15	60	75
		DSE-2		DSE-2: জীবনী সাহিত্য ও পত্রসাহিত্য or বাংলা বিতর্কমূলক, সৌন্দর্যতত্ত্বমূলক ও বিজ্ঞান চেতনামূলক গ্রন্থপাঠ or বাংলা ছোটগল্প, ভ্রমণ কাহিনি ও গোয়েন্দা কাহিনি পাঠ or বাংলা রঙ্গমঞ্চ, সাময়িকপত্র ও অনুবাদ সাহিত্যের ইতিহাস	6	5-1-0	15	60	75
		<b>Semester –V : total</b>				<b>24</b>			
		<b>Semester-VI</b>							
	<b>VI</b>	Core-13		CT13: লোকসাহিত্য	6	5-1-0	15	60	75
		Core-14		CT14: সংস্কৃত, ইংরেজি ও প্রতিবেশী সাহিত্যের ইতিহাস	6	5-1-0	15	60	75
		DSE-3		DSE-3: গদ্যসাহিত্য পাঠ Or কাব্যসাহিত্য পাঠ Or নাট্যসাহিত্য পাঠ	6	5-1-0	15	60	75
		DSE-4		DSE-4: রবীন্দ্র সাহিত্য পাঠ Or উপন্যাস সাহিত্য পাঠ Or প্রকৃতিচেতনামূলক, জাতীয়তামূলক ও বিশ্বমানবতামূলক সাহিত্য পাঠ Or বাংলা সাহিত্য এবং চিত্র, চলচ্চিত্র ও ক্রীড়া	6	5-1-0	15	60	75
		<b>Semester – VI : total</b>				<b>24</b>			
<b>Total in all semester:</b>					<b>142</b>				<b>1900</b>

**CC** = Core Course , **AECC** = Ability Enhancement Compulsory Course , **GE** = Generic Elective , **SEC** = Skill Enhancement Course , **DSE** = Discipline Specific Elective , **CA**= Continuous Assessment , **ESE**= End Semester Examination , **TBD**=To be decided , **CT** = Core Theory, **L** = Lecture, **T** = Tutorial , **P** = Practical , **MIL** = Modern Indian Language , **ENVS** = Environmental Studies ,

**List of Core Course (CC)**

- CC-1: বাংলা ভাষার উদ্ভব ও পরিচয়  
CC-2: বাংলা সাহিত্যের ইতিহাস (প্রাচীন ও মধ্যযুগ)  
CC-3: প্রাচীন ও মধ্যযুগের পদপাঠ  
CC-4: চৈতন্য জীবনী ও মঙ্গলকাব্য সাহিত্যপাঠ  
CC-5: উনিশ-বিশ শতকের প্রবন্ধ ও কাব্য-সাহিত্যের ইতিহাস এবং আখ্যান সাহিত্য পাঠ  
CC-6: ছন্দ-অলংকার ও নির্বাচিত কবিতা পাঠ  
CC-7: প্রবন্ধ সাহিত্য পাঠ  
CC-8: উনিশ ও বিশ শতকের নাট্য ও কথাসাহিত্যের ইতিহাস এবং ছোটগল্প পাঠ  
CC-9: কাব্যপাঠ  
CC-10: উপন্যাস পাঠ  
CC-11: নাট্য পাঠ  
CC-12: কাব্যতত্ত্ব, পাশ্চাত্য সাহিত্য সমালোচনা তত্ত্ব ও সাহিত্যের রূপরীতি  
CC-13: লোকসাহিত্য  
CC-14: সংস্কৃত, ইংরেজি ও প্রতিবেশী সাহিত্যের ইতিহাস

**Discipline Specific Electives (DSE)**

- DSE-1: প্রাচীন সাহিত্যতত্ত্ব ও সাহিত্যতাত্ত্বিক  
অথবা  
DSE-1: বাংলা সাহিত্যে প্রভাব  
অথবা  
DSE-1: সাহিত্য আন্দোলন, সমালোচনা ও রূপরীতি  
DSE-2: জীবনী সাহিত্য ও পত্রসাহিত্য  
অথবা  
DSE-2: বাংলা বিতর্কমূলক, সৌন্দর্যতত্ত্বমূলক ও বিজ্ঞান চেতনামূলক গ্রন্থপাঠ  
অথবা  
DSE-2: বাংলা ছোটগল্প, ভ্রমণ কাহিনি ও গোয়েন্দা কাহিনি পাঠ  
অথবা  
DSE-2: বাংলা রঙ্গমঞ্চ, সাময়িকপত্র ও অনুবাদ সাহিত্যের ইতিহাস  
DSE-3: গদ্যসাহিত্য পাঠ  
অথবা  
DSE-3: কাব্যসাহিত্য পাঠ  
অথবা  
DSE-3: নাট্যসাহিত্য পাঠ  
DSE-4: রবীন্দ্র সাহিত্য পাঠ  
অথবা  
DSE-4: উপন্যাস সাহিত্য পাঠ  
অথবা  
DSE-4: প্রকৃতিচেতনামূলক, জাতীয়তামূলক ও বিশ্বমানবতামূলক সাহিত্য পাঠ  
অথবা

DSE-4: বাংলা সাহিত্য এবং চিত্র, চলচ্চিত্র ও ক্রীড়া

**Skill Enhancement Course (SEC)**

SEC-1: বাংলা ব্যাকরণ ও অনুবাদতত্ত্ব

অথবা

SEC-1: লিখন দক্ষতা বৃদ্ধি

SEC-2: বাংলা ভাষা ও সাহিত্য বিষয়ক প্রকল্প রচনা ও প্রকল্পের উপস্থাপনা

অথবা

SEC-2: চিত্রনাট্য রচনা ও সাম্প্রতিক ঘটনা-বিশ্লেষণ

**Generic Electives (GE)**

**Interdisciplinary for other Department**

GE-1: বাংলার ভূ-খণ্ড ও জাতির উৎপত্তি, ধর্ম ও সংস্কৃতির ইতিহাস এবং লোকসাহিত্য

অথবা

GE-1: বাংলা ভাষার বিভিন্ন স্তর ও বাংলা ভাষাচর্চা

GE-2: কাব্যসাহিত্যের ধারা ও বৈষ্ণব পদাবলী পাঠ

অথবা

GE-2: নাট্যসাহিত্যের ধারা এবং কাব্য ও নাটক পাঠ

GE-3: বাংলা প্রবন্ধ ও কথাসাহিত্যের ধারা এবং প্রবন্ধ পাঠ

অথবা

GE-3: উপন্যাস ও ছোটগল্প পাঠ

GE-4: বাংলা গীতি সাহিত্য, শিশুসাহিত্য ও রম্যরচনার ধারা

অথবা

GE-4: বাংলা সাহিত্য এবং দার্শনিক, রাজনৈতিক ও সামাজিক চিন্তা

**AECC-Elective (MIL-Bengali)**

MIL (Bengali): বাংলা ভাষা-প্রসঙ্গ, অনুবাদ ও কথন-দক্ষতা

## কোর কোর্স (CC)

CC-1: বাংলা ভাষার উদ্ভব ও পরিচয়

Credits 06

C1T: বাংলা ভাষার উদ্ভব ও পরিচয়

Course Contents:

বাংলা ভাষার উদ্ভব, বাংলা ভাষার বিভিন্ন স্তর, বাংলা শব্দভাণ্ডার, শব্দার্থতত্ত্ব, ধ্বনি পরিবর্তনের কারণ ও সূত্র, বাংলা পদ, বাংলা কারক ও বিভক্তি, বাংলা লোকভাষা ও বাংলা উপভাষা।

Suggested Readings:

1. Origin and Development of the Bengali Language- Suniti Kumar Chatterjee
২. বাংলা ভাষাতত্ত্বের ভূমিকা -সুনীতিকুমার চট্টোপাধ্যায়
৩. বাংলা ভাষা -পার্বতীচরণ ভট্টাচার্য
৪. Middle Indo Aryan Grammar-S.K. Chatterjee and S.Sen
৫. সাধারণ ভাষাবিজ্ঞান ও বাংলা ভাষা- রামেশ্বর 'শ
৬. বাংলা ভাষার ইতিবৃত্ত -ড. মুহম্মদ শহীদুল্লাহ
৭. ভাষার ইতিবৃত্ত – ড. সুকুমার সেন
৮. ভাষাবিদ্যা পরিচয় -পরেশচন্দ্র ভট্টাচার্য
৯. আধুনিক ভারতীয় ভাষা-প্রসঙ্গে- পরেশচন্দ্র ভট্টাচার্য
১০. আধুনিক ভাষাতত্ত্ব -অতীন্দ্র মজুমদার
১১. আধুনিক ভাষাতত্ত্ব -আবুল কালাম মনজুর মুরশেদ
১২. ভাষা বিজ্ঞানের কথা – মহম্মদ দানীউল হক
১৩. ভাষা প্রকাশ বাংলা ব্যাকরণ- ড. সুনীতিকুমার চট্টোপাধ্যায়
১৪. বাংলা ভাষা পরিক্রমা (১ ও ২ খণ্ড)- পরেশচন্দ্র মজুমদার
১৫. ভাষাতত্ত্ব ও বাংলা ভাষা- বাণীরঞ্জন দে
১৬. বাংলা ভাষাতত্ত্ব – মিহির চৌধুরী কামিল্যা
১৭. ভাষাতত্ত্ব – অতীন্দ্র মজুমদার
১৮. লোকভাষা-লোকসংস্কৃতি ও অবিভক্ত মেদিনীপুর – ছন্দা ঘোষাল
১৯. ভাষাবিজ্ঞান ও বাংলা ভাষা- অনিমেষকান্তি পাল
২০. ঝাড়খণ্ডী বাংলার ঝাড়গাঁয়ী রূপ – ছন্দা ঘোষাল

CC-2: বাংলা সাহিত্যের ইতিহাস ( প্রাচীন ও মধ্যযুগ)

Credits 06

C2T: বাংলা সাহিত্যের ইতিহাস ( প্রাচীন ও মধ্যযুগ)

Course Contents:

সুজ্যমান বাংলার প্রকীর্তন, চর্যাপদ, শ্রীকৃষ্ণকীর্তন, চৈতন্যচরিত সাহিত্য, অনুবাদ সাহিত্য, বৈষ্ণব পদাবলী সাহিত্য, মঙ্গলকাব্য ধারা, আরাকান রাজসভার সাহিত্য, শাক্ত পদাবলী, নাথসাহিত্য, বাউলগীতি

Suggested Readings:



১. বাংলা সাহিত্যের ইতিবৃত্ত - ড. অসিতকুমার বন্দ্যোপাধ্যায়
২. বাংলা সাহিত্যের ইতিকথা - ড. ভূদেব চৌধুরী
৩. বাঙ্গালা সাহিত্যের ইতিহাস - ড. সুকুমার সেন
৪. সমগ্র বাংলা সাহিত্যের পরিচয় - ড. পরেশচন্দ্র ভট্টাচার্য
৫. বাঙলা সাহিত্যের রূপরেখা - গোপাল হালদার
৬. সমগ্র বাংলা সাহিত্যের ইতিহাস - ক্ষেত্র গুপ্ত
৭. বাংলা সাহিত্যের সম্পূর্ণ ইতিবৃত্ত - অসিতকুমার বন্দ্যোপাধ্যায়
৮. মঙ্গলকাব্যের ইতিহাস - আশুতোষ ভট্টাচার্য
৯. মধ্যযুগের কবি ও কাব্য - শঙ্করীপ্রসাদ বসু
১০. বাংলা সাহিত্যে বিকাশের ধারা – শ্রীকুমার বন্দ্যোপাধ্যায়
১১. বাংলা সাহিত্যের প্রাচীন কবিদের পরিচয় ও সময় – সুখময় মুখোপাধ্যায়

### CC-3: প্রাচীন ও মধ্যযুগের পদপাঠ

Credits 06

### C3T: প্রাচীন ও মধ্যযুগের পদপাঠ

#### Course Contents:

- ক. চর্যাপদ (পাঠ্যপদ - ১,২,৫,৭,৮,১০,১৪,২৪,২৮)
- খ. বৈষ্ণব পদাবলী ( নির্বাচিত ৮টি পদ)
- বিদ্যাপতি - এ সখি হামারি দুখের নাহি ওর;  
আজু রজনী হাম ভাগে পোহায়লুঁ
- চন্ডীদাস - যত নিবারিয়ে তায় নিবার না যায় রে;  
রাধার কি হইল অন্তরে ব্যথা
- জ্ঞানদাস – রূপ লাগি আঁখি বুঝে গুনে মন ভোর
- গোবিন্দদাস – গগনহি নিমগন দিনমণি কাঁতি;  
কন্টক গাড়ি কমল-সম পদতল
- বলরামদাস - শ্রীদাম সুদাম দাম শুন ওরে বলরাম
- গ. শাক্ত পদাবলী ( নির্বাচিত ৮টি পদ)
- রামপ্রসাদ সেন - ওহে প্রাণনাথ গিরিবর;  
গিরি, এবার আমার উমা;  
মা আমায় ঘুরাবি কত;  
কেবল আসার আশা
- কমলাকান্ত ভট্টাচার্য -ওরে নবমী নিশি;  
ওহে গিরিরাজ, গৌরী অভিমান;  
কি হলো নবমী নিশি;  
বারে বারে কহ রাণি

#### Suggested Readings:

১. চর্যাপদে ভূমিকা - জাহ্নবীকুমার চক্রবর্তী
২. চর্যাপদে পরিচয় - সত্যব্রত দে



৩. চর্যাগীতি পরিক্রমা - নির্মল দাশ
৪. চর্যাগীতিকোষ - সৌমেন্দ্রনাথ সরকার
৫. চর্যাগীতি - মনীন্দ্রমোহন বসু
৬. পাঁচশত বৎসরের পদাবলী - বিমানবিহারী মজুমদার (সম্পাদনা)
৭. মধ্যযুগের কবি ও কাব্য - শঙ্করীপ্রসাদ বসু
৮. বৈষ্ণব সাহিত্য - ত্রিপুরা শঙ্কর সেন শাস্ত্রী
৯. বাংলা সাহিত্যে কৃষ্ণকথার ক্রমবিকাশ - সত্যবতী গিরি
১০. বৈষ্ণব পদাবলী পরিচয় - জীবেন্দু রায়
১১. বৈষ্ণব রসপ্রকাশ - ক্ষুদিরাম দাস
১২. পদাবলী পরিচয় - হরেকৃষ্ণ মুখোপাধ্যায়
১৩. বৈষ্ণব কবি প্রসঙ্গে - দেবনাথ বন্দ্যোপাধ্যায়
১৪. প্রসঙ্গ : বৈষ্ণব সাহিত্য - লায়েক আলি খান
১৫. বৈষ্ণব পদাবলী - সত্য গিরি
১৬. ভারতের শক্তিসাধনা ও শাক্তসাহিত্য - শশিভূষণ দাশগুপ্ত
১৭. শাক্তপদাবলী ও শক্তিসাধনা - জাহ্নবীকুমার চক্রবর্তী
১৮. শাক্তপদাবলী - অমরেন্দ্রনাথ রায় (সম্পাদনা)
১৯. শাক্তপদাবলী - ধ্রুবকুমার মুখোপাধ্যায় (সম্পাদনা)
২০. শাক্তগীতি পদাবলী - অরুণকুমার বসু
২১. শাক্তপদাবলী - ত্রিপুরাশঙ্কর সেনশাস্ত্রী

#### CC-4: চৈতন্যজীবনী ও মঙ্গলকাব্য সাহিত্যপাঠ

Credits 06

#### C4T: চৈতন্যজীবনী ও মঙ্গলকাব্য সাহিত্যপাঠ

##### Course Contents:

- ক. চৈতন্যভাগবত ( আদিখণ্ড) - বৃন্দাবন দাস
- খ. চণ্ডীমঙ্গল (আখ্যটিকখণ্ড) - মুকুন্দ চক্রবর্তী
- গ. অন্নদামঙ্গল - ভারতচন্দ্র

##### Suggested Readings:

১. চৈতন্যভাগবত - সুকুমার সেন (সম্পাদিত)
২. চৈতন্যভাগবত - রাধাগোবিন্দ নাথ (সম্পাদিত)
৩. শ্রী শ্রী চৈতন্য চরিতের উপাদান - বিমানবিহারী মজুমদার
৪. অমিয় নিমাই চরিত - শিশিরকুমার ঘোষ
৫. শ্রীচৈতন্য প্রদক্ষিণ - বিষ্ণুপদ পাণ্ডা
৬. চৈতন্য ভাগবত - রবিরঞ্জন চট্টোপাধ্যায় (সম্পাদিত)
৭. গৌড়ীয় বৈষ্ণব অভিধান - হরিদাস দাস
৮. গৌড়ীয় বৈষ্ণব দর্শন - রাধাগোবিন্দ নাথ
৯. শ্রীচৈতন্যের দিব্যজীবন ও অষ্টোত্তম অস্তর্ধান পর্ব - মাধব পট্টনায়ক
১০. কবিকঙ্কণ চণ্ডী - দেবকুমার ঘোষ
১১. চণ্ডীমঙ্গল পরিক্রমা - সুখময় মুখোপাধ্যায়





১২. কবিকঙ্কণ চণ্ডী - ক্ষুদিরাম দাস
১৩. ভারতচন্দ্র ও অন্নদামঙ্গল - ভবেশ মজুমদার
১৪. কবি ভারতচন্দ্র - শঙ্করীপ্রসাদ বসু
১৫. ভারতচন্দ্র রায় গুণাকরের অন্নদামঙ্গল - দেবকুমার ঘোষ
১৬. ভারতচন্দ্রের অন্নদামঙ্গল - কার্তিক ভদ্র
১৭. ভারতচন্দ্রের অন্নদামঙ্গল - নির্মলেন্দু মুখোপাধ্যায়
১৮. ভারতচন্দ্রের অন্নদামঙ্গল - মদনমোহন গোস্বামী
১৯. চণ্ডীমঙ্গল – (সম্পা.) সন্দীপ মণ্ডল
২০. কবিকঙ্কণ মুকুন্দের চণ্ডীমঙ্গল : বীক্ষা ও সমীক্ষা – (সম্পা.) বিশ্বনাথ রায়
২১. চৈতন্য ভাগবত (সম্পা.) - দুর্গাপদ গঙ্গোপাধ্যায়

## CC-5: উনিশ-বিশ শতকের প্রবন্ধ ও কাব্য সাহিত্যের ইতিহাস এবং আখ্যান সাহিত্য পাঠ Credits 06

### C5T: উনিশ-বিশ শতকের প্রবন্ধ ও কাব্য সাহিত্যের ইতিহাস এবং আখ্যান সাহিত্য পাঠ

#### Course Contents:

#### ক. উনিশ ও বিশ শতকের প্রবন্ধ সাহিত্যের ইতিহাস

শ্রীরামপুর মিশন, ফোর্ট উইলিয়াম কলেজ, রাজা রামমোহন রায়, ঈশ্বরচন্দ্র বিদ্যাসাগর, অক্ষয়কুমার দত্ত, ভূদেব মুখোপাধ্যায়, কালীপ্রসন্ন সিংহ, গ্যারীচাঁদ মিত্র, বঙ্কিমচন্দ্র চট্টোপাধ্যায়, স্বামী বিবেকানন্দ, রবীন্দ্রনাথ ঠাকুর, হরপ্রসাদ শাস্ত্রী, রামেন্দ্রসুন্দর ত্রিবেদী, অমূল্যচরণ বিদ্যাভূষণ, প্রমথ চৌধুরী, অন্নদাশঙ্কর রায়, সুনীতিকুমার চট্টোপাধ্যায়, সৈয়দ মুজতবা আলী, যোগেশচন্দ্র রায় বিদ্যানিধি, বুদ্ধদেব বসু।

#### খ. উনিশ ও বিশ শতকের কাব্য সাহিত্যের ইতিহাস -

ঈশ্বর গুপ্ত, মধুসূদন দত্ত, রঙ্গলাল বন্দ্যোপাধ্যায়, হেমচন্দ্র বন্দ্যোপাধ্যায়, নবীনচন্দ্র সেন, বিহারীলাল চক্রবর্তী, রবীন্দ্রনাথ ঠাকুর, সত্যেন্দ্রনাথ দত্ত, মোহিতলাল মজুমদার, নজরুল ইসলাম, প্রমেন্দ্র মিত্র, সুধীন্দ্রনাথ দত্ত, বিষ্ণু দে, বুদ্ধদেব বসু, জীবনানন্দ দাশ, অমিয় চক্রবর্তী, সুভাষ মুখোপাধ্যায়, শক্তি চট্টোপাধ্যায়, শঙ্খ ঘোষ।

#### গ. আখ্যান সাহিত্যপাঠ -

শকুন্তলা - বিদ্যাসাগর

#### Suggested Readings:

১. বাংলা সাহিত্যে গদ্য - সুকুমার সেন
২. আধুনিক বাংলা প্রবন্ধ সাহিত্যের ধারা - অধীর দে
৩. বাংলা গদ্য রীতির ইতিহাস - অরুণকুমার মুখোপাধ্যায়
৪. বাংলা গদ্যের ক্রমবিকাশ - হীরেন্দ্রনাথ দত্ত
৫. গদ্যচর্চার ইতিহাস ও প্রমথ চৌধুরী - লায়েক আলি খান ও প্রশান্তকুমার দাস
৬. বাংলা গদ্যের ক্রমবিকাশ - হীরেন্দ্রনাথ দত্ত
৭. বাঙ্গালা সাহিত্যের ইতিহাস - সুকুমার সেন

৮. বাংলা সাহিত্যের ইতিবৃত্ত - অসিতকুমার বন্দ্যোপাধ্যায়
৯. বাংলা সাহিত্যের ইতিকথা - ভূদেব চৌধুরী
১০. আধুনিক বাংলা কাব্য - তারাপদ রায়
১১. বাংলা কবিতার কালান্তর - সরোজ বন্দ্যোপাধ্যায়
১২. ঊনবিংশ শতাব্দীর বাংলা গীতিকাব্য - অরুণকুমার মুখোপাধ্যায়
১৩. রবীন্দ্রানুসারী কবি সমাজ - অরুণকুমার মুখোপাধ্যায়
১৪. রবীন্দ্র কবিতার বিপরীত স্রোত - কাননবিহারী ঘোষ
১৫. আধুনিক বাংলা কবিতার রূপরেখা - বাসন্তীকুমার মুখোপাধ্যায়
১৬. আধুনিক কবিতার মানচিত্র - জীবেন্দ্র সিংহ রায়
১৭. আধুনিক বাংলা কাব্য পরিচয় - দীপ্তি ত্রিপাঠী
১৮. আমার কালের কয়েকজন কবি - জগদীশ চট্টোচার্য
১৯. বাংলা কবিতার কালান্তর - সরোজ বন্দ্যোপাধ্যায়
২০. আধুনিক কবিতার দিগ্বলয় - অশ্রুকুমার সিকদার
২১. বাংলা কবিতার মেজাজ ও মনোবীজ - জহর সেন মজুমদার
২২. স্বাধীনতা পরবর্তী বাংলা কবিতা: উৎস ও বিবর্তন - গৈরিক ঘোষ
২৩. আধুনিক কবিতার ইতিহাস - অলোকরঞ্জন দাশগুপ্ত
২৪. বাংলা সাহিত্যে বিদ্যাসাগর - অসিতকুমার বন্দ্যোপাধ্যায়
২৫. শকুন্তলা ও সীতার বনবাস : বিদ্যাসাগর - নরেশচন্দ্র জানা
২৬. ঈশ্বরচন্দ্র বিদ্যাসাগর প্রণীত শকুন্তলা - (সম্পা.) উজ্জ্বলকুমার মজুমদার

## CC-6: ছন্দ-অলঙ্কার ও নির্বাচিত কবিতা পাঠ

Credits 06

## C6T: ছন্দ-অলঙ্কার ও নির্বাচিত কবিতা পাঠ

### Course Contents:

#### ছন্দ ও অলঙ্কার

##### ক. ছন্দ

দলবৃত্ত, মিশ্রকলাবৃত্ত, কলাবৃত্ত, পয়ার, ত্রিপদী, চৌপদী, সনেট, অমিত্রাক্ষর, গদ্যছন্দ, পর্ব- পর্বাক্ষ, যতি, লয়, মাত্রা, ছেদ, ছন্দ নির্ণয়।

##### খ. অলঙ্কার

অনুপ্রাস, শ্লেষ, যমক, রূপক, উপমা, উৎপ্রেক্ষা, ব্যাজস্ততি, সমাসোক্তি, অতিশয়োক্তি, সন্দেহ, অপহুতি, বিরোধভাস, বিষম, অলঙ্কার নির্ণয়।

##### গ. নির্বাচিত কবিতাপাঠ -

আমরা - সত্যেন্দ্রনাথ দত্ত

সাম্রাজ্যবাদী - নজরুল

দুঃখবাদী - যতীন্দ্রনাথ সেনগুপ্ত

ফ্রাইবুর্গের পথে - অমিয় চক্রবর্তী

আট বছর আগের একদিন - জীবনানন্দ দাশ

শাস্ত্রী - সূরীন্দ্রনাথ দত্ত



অবনী বাড়ী আছে – শক্তি চট্টোপাধ্যায়

**Suggested Readings:**

১. বাংলা ছন্দশিল্প ও ছন্দচিত্তার অগ্রগতি - প্রবোধচন্দ্র সেন
২. নূতন ছন্দ পরিক্রমা - প্রবোধচন্দ্র সেন
৩. বাংলা ছন্দের মূলসূত্র - অমূল্যধন মুখোপাধ্যায়
৪. বাংলা ছন্দশিল্প ও ছন্দচিত্তা - নীলরতন সেন
৫. বাংলা ছন্দ বিবর্তনের ধারা - নীলরতন সেন
৬. ছন্দের বারান্দা - শঙ্খ ঘোষ
৭. বাংলা ছন্দ – জীবেন্দ্র সিংহ রায়
৮. নব ছন্দশৈলী – সুধাংশুশেখর শাসমল
৯. ছন্দ পরিচয় - রামবহাল তেওয়ারী
১০. বাংলা ছন্দ : রূপ ও রীতি- মিহির চৌধুরী কামিল্যা
১১. বাংলা ছন্দশিল্প : প্রসঙ্গ অনুসঙ্গ - অপূর্ব কোলে
১২. অলঙ্কার চন্দ্রিকা - শ্যামাপদ চক্রবর্তী
১৩. বাংলা অলংকার বিচার - পঞ্চানন মালাকার
১৪. বাংলা অলংকার মঞ্জরী - অশোককুমার মিশ্র
১৫. বাংলা অলংকার : রূপ ও স্বরূপ - মিহির চৌধুরী কামিল্যা
১৬. প্রসঙ্গ অলঙ্কার – শুদ্ধসঙ্গ বসু
১৭. সত্যেন্দ্রনাথ দত্তের কবিতা ও কাব্যরূপ – হরপ্রসাদ মিত্র
১৮. বাংলা সাহিত্যে নজরুল – আজহারউদ্দীন খান
১৯. নজরুল মানস – সুশীল গুপ্ত
২০. নজরুল প্রতিভা – লায়েক আলি খান
২১. একটি নক্ষত্র আসে – অশুজ বসু
২২. জীবনানন্দ – বীতশোক ভট্টাচার্য
২৩. যতীন্দ্রনাথের কবি মানস ও কাব্য শিল্প – অমরেন্দ্র গণাই
২৪. কবি শক্তি – সমীর সেনগুপ্ত
২৫. কবি জীবনানন্দ – সঞ্জয় ভট্টাচার্য
২৬. সুধীন্দ্রনাথ পাঠের ভূমিকা – দেবীপ্রসাদ বন্দ্যোপাধ্যায়
২৭. সুধীন্দ্রনাথ দত্ত – অমিয় দেব
২৮. সুধীন্দ্রনাথ দত্ত : ভাববিশ্ব ও কাব্যবীক্ষা – তপোধীর ভট্টাচার্য
২৯. উনবিংশ শতাব্দীর বাংলা গীতিকাব্য - অরুণকুমার মুখোপাধ্যায়
৩০. বাংলা কবিতার কালান্তর - সরোজ বন্দ্যোপাধ্যায়
৩১. আধুনিক কবিতা ভাবনা ও অনুভাবনা – শ্রুতিনাথ চক্রবর্তী
৩২. প্রাচীন ভারতীয় সাহিত্য অনুপ্রাণনায় পাঁচজন আধুনিক কবি - বাণীরঞ্জন দে
৩৩. বিশ্ব নাগরিক অমিয় চক্রবর্তী : স্রষ্টা ও সৃষ্টি – সুমিতা চক্রবর্তী
৩৪. আধুনিক কবিতার ইতিহাস – অলোকরঞ্জন দাশগুপ্ত ও দেবীপ্রসাদ বন্দ্যোপাধ্যায়
৩৫. আধুনিক কবিতার মানচিত্র – জীবেন্দ্র সিংহ রায়

## C7T: প্রবন্ধ সাহিত্য পাঠ

## Course Contents:

ক. বিবিধ প্রবন্ধ – বঙ্কিমচন্দ্র চট্টোপাধ্যায়

শকুন্তলা, মিরন্দা ও দেস্দিমোনা; গীতিকাব্য; বিদ্যাপতি ও জয়দেব; অনুকরণ; বাঙ্গালার ইতিহাস; বঙ্গদেশের কৃষক।

খ. নির্বাচিত প্রবন্ধ পাঠ –

১. কৌতুকহাস্যের মাত্রা (পঞ্চভূত) – রবীন্দ্রনাথ ঠাকুর
২. জাতভাষা এক স্থানীয় ভাষা (কি লিখি) – যোগেশচন্দ্র রায় বিদ্যানিধি
৩. ভারতীয় সংস্কৃতির গোড়ার কথা – অমূল্যচরণ বিদ্যাভূষণ
৪. বইপড়া – প্রমথ চৌধুরী
৫. অপবিজ্ঞান – রাজশেখর বসু
৬. দেশপ্রেম বনাম জাতিপ্রেম – অন্নদাশঙ্কর রায়
৭. রবীন্দ্রনাথ ও উত্তরসাধক – বুদ্ধদেব বসু

গ. চরিতকথা – রামেন্দ্রসুন্দর ত্রিবেদী

ঈশ্বরচন্দ্র বিদ্যাসাগর, বালেন্দ্রনাথ ঠাকুর, বঙ্কিমচন্দ্র চট্টোপাধ্যায়, অধ্যাপক মক্ষমুলার, হর্মান হেলম হোল্যান্ডজ

## Suggested Readings:

১. আধুনিক বাংলা প্রবন্ধ সাহিত্যের ধারা – অধীর দে
২. বাংলা গদ্যরীতির ইতিহাস – অরুণকুমার মুখোপাধ্যায়
৩. বঙ্কিমচন্দ্র : সৃজন ও বীক্ষণ – ভবতোষ চট্টোপাধ্যায়
৪. বঙ্কিমচন্দ্রের বিবিধ প্রবন্ধ – নাড়ুগোপাল দে
৫. প্রমথ চৌধুরী – জীবেন্দ্র সিংহ রায়
৬. রাজশেখর বসু : জীবন ও সাহিত্য – কল্যাণী ঘোষ
৭. রামেন্দ্রসুন্দরের চরিতকথা – বুদ্ধদেব ভট্টাচার্য
৮. চিন্তানায়ক বঙ্কিমচন্দ্র – ভবতোষ দত্ত
৯. আধুনিক বাংলা প্রবন্ধ সাহিত্যের ধারা(১ম ও ২য়) – অধীর দে
১০. বাংলা গদ্যের পদাঙ্ক – বিজিত দত্ত
১১. যোগেশচন্দ্র বিদ্যানিধি – শৈলেন দাস ও নমিতা মণ্ডল
১২. বুদ্ধদেব বসু : মননে অন্বেষণে – তরুণ মুখোপাধ্যায়
১৩. বাংলা প্রবন্ধ : উনিশ ও বিশ – সুজয় কুমার মাইতি
১৪. রামেন্দ্রসুন্দর ও বাংলা সাহিত্য – প্রদ্যোত সেনগুপ্ত
১৫. যোগেশচন্দ্র বিদ্যানিধি : জীবন ও সাহিত্য- মধুমিতা মহাপাত্র
১৬. গদ্যচর্চার ইতিহাস ও প্রমথ চৌধুরী- সম্পা. লায়েক আলি খান ও প্রশান্তকুমার দাস
১৭. বঙ্কিম-মনীষা – অলোক রায়

C8T: উনিশ ও বিশ শতকের নাট্য ও কথাসাহিত্যের ইতিহাস এবং ছোটগল্প পাঠ

Course Contents:

ক. উনিশ ও বিশ শতকের নাট্য সাহিত্যের ইতিহাস

ক. রামনারায়ণ তর্করত্ন, মধুসূদন দত্ত, দীনবন্ধু মিত্র, অমৃতলাল বসু, গিরিশচন্দ্র ঘোষ, জ্যোতিরিন্দ্রনাথ ঠাকুর, ক্ষীরোদপ্রসাদ বিদ্যাবিনোদ, রবীন্দ্রনাথ ঠাকুর, দ্বিজেন্দ্রলাল রায়, মন্মথ রায়, বিজন ভট্টাচার্য, তুলসী লাহিড়ী, বাদল সরকার, মনোজ মিত্র।

খ. উনিশ ও বিশ শতকের উপন্যাস ও ছোটগল্পের ইতিহাস

১. উপন্যাস –

বঙ্কিমচন্দ্র চট্টোপাধ্যায়, রবীন্দ্রনাথ ঠাকুর, শরৎচন্দ্র চট্টোপাধ্যায়, বিভূতিভূষণ বন্দ্যোপাধ্যায়, তারাশঙ্কর বন্দ্যোপাধ্যায়, মানিক বন্দ্যোপাধ্যায়, বনফুল, শরদিন্দু বন্দ্যোপাধ্যায়, মহাশ্বেতা দেবী

২. ছোটগল্প -

রবীন্দ্রনাথ ঠাকুর, প্রভাতকুমার মুখোপাধ্যায়, পরশুরাম, জগদীশ গুপ্ত, প্রেমেন্দ্র মিত্র, বনফুল, সুবোধ ঘোষ, নরেন্দ্রনাথ মিত্র, , সমরেশ বসু, নারায়ণ গঙ্গোপাধ্যায়, জ্যোতিরিন্দ্র নন্দী, শরদিন্দু বন্দ্যোপাধ্যায়, বিমল কর, আশাপূর্ণা দেবী।

গ. ছোটগল্প পাঠ –

অতিথি – রবীন্দ্রনাথ ঠাকুর

সমাপ্তি – রবীন্দ্রনাথ ঠাকুর,

উমারানী – বিভূতিভূষণ বন্দ্যোপাধ্যায়

তারিণী মাঝি – তারাশঙ্কর বন্দ্যোপাধ্যায়

কচি সংসদ – রাজশেখর বসু

ফসিল – সুবোধ ঘোষ

তেলেনাপোতা আবিষ্কার – প্রেমেন্দ্র মিত্র

Suggested Readings:

১. বাঙ্গালা সাহিত্যের ইতিহাস – সুকুমার সেন
২. বাংলা সাহিত্যের ইতিবৃত্ত – অসিতকুমার বন্দ্যোপাধ্যায়
৩. বাংলা সাহিত্যের ইতিকথা – ভূদেব চৌধুরী
৪. বাংলা নাট্য সাহিত্যের ইতিহাস – শ্রী আশুতোষ ভট্টাচার্য
৫. বাংলা নাটকের ইতিহাস – অজিতকুমার ঘোষ
৬. নাট্য সাহিত্যের আলোচনা ও নাটক বিচার – সাধনকুমার ভট্টাচার্য
৭. নাট্য সাহিত্যের ভূমিকা – বিভাস রায়চৌধুরী
৮. বঙ্গসাহিত্যের উপন্যাসের ধারা – শ্রীকুমার বন্দ্যোপাধ্যায়
৯. বাংলা উপন্যাসের ইতিহাস – ক্ষেত্রগুপ্ত
১০. বাংলা উপন্যাসের কালান্তর – সরোজ বন্দ্যোপাধ্যায়
১১. বাংলা উপন্যাস ও তার আধুনিকতা – সত্যেন্দ্রনাথ রায়
১২. আমার কালের কয়েকজন কথাশিল্পী – জগদীশ ভট্টাচার্য
১৩. মধ্যাহ্ন থেকে সায়াহ্নে – অরুণকুমার মুখোপাধ্যায়

১৪. কালের প্রতিমা - অরুণকুমার মুখোপাধ্যায়
১৫. কালের পুতলিকা - অরুণকুমার মুখোপাধ্যায়
১৬. বাংলা সাহিত্যের ছোটগল্প ও গল্পকার - ভূদেব চৌধুরী
১৭. দুই বিশ্বমুদ্র মধ্যবর্তী বাংলা কথা সাহিত্য - গোপীকানাথ রায়চৌধুরী
১৮. বাংলা ছোটগল্প : প্রসঙ্গ ও প্রকরণ - বীরেন্দ্র দত্ত
১৯. গল্পচর্চা - উজ্জ্বলকুমার মজুমদার
২০. রবীন্দ্র ছোটগল্পের শিল্পরূপ - তপোব্রত ঘোষ
২১. রবীন্দ্রনাথের নির্বাচিত ছোটগল্প - অসিতকুমার মুখোপাধ্যায়
২২. রবীন্দ্রনাথের গল্প : বিশ্লেষণীপাঠ - সমরেশ মজুমদার
২৩. রবীন্দ্রনাথের ছোটগল্প - প্রমথনাথ বিশী
২৪. বাংলা ছোটগল্প : মনে দর্পণে - শীতল চৌধুরী
২৫. বাংলা ছোটগল্পের সূচনা ও প্রেমেন্দ্র মিত্র - সুরজিৎ দাশগুপ্ত
২৬. বাংলা সাহিত্যে ছোটগল্প - নারায়ণ গঙ্গোপাধ্যায়
২৭. প্রেমেন্দ্র মিত্রের বিচিত্র জগৎ - রামরঞ্জন রায়
২৮. ছোটগল্পের রূপশিল্পী - রামরঞ্জন রায়
২৯. সুবোধ ঘোষ কথাসাহিত্য - অরিন্দম গোস্বামী
৩০. পরশুরামের গল্প : জীবনের ধূপছায়া - গীতিকা পণ্ডা

## CC-9: কাব্য পাঠ

Credits 06

## C9T: কাব্য পাঠ

### Course Contents:

- ক. বীরঙ্গনা - মাইকেল মধুসূদন দত্ত  
(দ্বারকানাথের প্রতি ঝঙ্কিনী, লক্ষ্মণের প্রতি সুর্পনা, দশরথের প্রতি কৈকয়ী, সোমের প্রতি তারা, দুঃস্বপ্নের প্রতি শকুন্তলা, নীলধ্বজের প্রতি জনা)
- খ. বলাকা- রবীন্দ্রনাথ ঠাকুর (পাঠ্য পদ)  
(১, ৪, ৫, ৬, ৭, ৮, ৩৬, ৩৭, ৪৫ সংখ্যক কবিতা)
- গ. বনলতা সেন - জীবনানন্দ দাশ

### Suggested Readings:

- ১। বীরঙ্গনা কাব্য - হীরেন চট্টোপাধ্যায়
- ২। মধুসূদন ব্যক্তি ও সৃষ্টি - সুকুমার রায়
- ৩। বলাকা কাব্য পরিক্রমা - শ্রী ক্ষিতিমোহন সেন
- ৪। মধুসূদনের কবিতা ও কাব্য শিল্প - ক্ষেত্রগুপ্ত
- ৫। কবি শ্রী মধুসূদন - মোহিতলাল মজুমদার
- ৬। মধুসূদন কবি ও নাট্যকার - সুবোধ চন্দ্র সেনগুপ্ত
- ৭। কবি জীবনানন্দ দাশ - সঞ্জয় ভট্টাচার্য
- ৮। জীবনানন্দের কবিতায় জিজ্ঞাসায় বিশ্লেষণ - গোকুলানন্দ মিশ্র
- ৯। জীবনানন্দ - বীতশোক ভট্টাচার্য
- ১০। রবীন্দ্র সাহিত্যের ভূমিকা - নীহাররঞ্জন রায়

- ১১। রবীন্দ্র কাব্য পরিক্রমা - উপেন্দ্রনাথ ভট্টাচার্য
- ১২। রবিরশ্মি - চারুচন্দ্র বন্দ্যোপাধ্যায়
- ১৩। কবি মধুসূদনের বীরঙ্গনা – সত্যবতী গিরি (সম্পা.)
- ১৪। বীরঙ্গনা কাব্য – অমরেন্দ্র গণাই
- ১৫। বীরঙ্গনা কাব্যচর্চা - উজ্জ্বলকুমার মজুমদার
- ১৬। বনলতা সেন : কালে ও কালোত্তরে – (সম্পা.) লক্ষ্মণ কর্মকার
- ১৭। বীরঙ্গনা কাব্য – নির্মলেন্দু ভৌমিক

## CC-10: উপন্যাস পাঠ

Credits 06

## C10T: উপন্যাস পাঠ

### Course Contents:

- ক. কপালকুণ্ডলা – বঙ্কিমচন্দ্র চট্টোপাধ্যায়
- খ. শেষের কবিতা – রবীন্দ্রনাথ ঠাকুর
- গ. কবি – তারাশঙ্কর বন্দ্যোপাধ্যায়

### Suggested Readings:

- ১. বঙ্কিম উপন্যাসের শিল্পরূপ – ক্ষেত্র গুপ্ত
- ২. উপন্যাস সাহিত্যে বঙ্কিম – প্রফুল্লকুমার দাশগুপ্ত
- ৩. বঙ্কিম মানস – অরবিন্দ পোদ্দার
- ৪. বঙ্কিম সরণী – প্রমথনাথ বিশী
- ৫. বঙ্কিম কণিকা – সমীর সেনগুপ্ত
- ৬. বঙ্কিম ভাবনালোক – ভবতোষ দত্ত
- ৭. বঙ্কিমচন্দ্র: সৃজন ও বীক্ষণ – ভবতোষ চট্টোপাধ্যায়
- ৮. উপন্যাসতত্ত্ব ও বঙ্কিমচন্দ্র - সুধীন্দ্রনাথ ভট্টাচার্য
- ৯. তারাশঙ্করের কবি – অচিন্ত্য বিশ্বাস
- ১০. বঙ্কিমচন্দ্রের উপন্যাস – প্রফুল্ল দাশগুপ্ত
- ১১. ঔপন্যাসিক রবীন্দ্রনাথ – বীরেন্দ্র দেবনাথ
- ১২. রবীন্দ্র উপন্যাসের নির্মাণ শিল্প – গোপিকানাথ রায়চৌধুরী
- ১৩. রবীন্দ্র উপন্যাস : ইতিহাসের প্রেক্ষিতে – ভূদেব চৌধুরী
- ১৪. রবীন্দ্র উপন্যাস পরিক্রমা – অর্চনা মজুমদার
- ১৫. শেষের কবিতা : শিল্পিত জীবন – হীরেন চট্টোপাধ্যায়
- ১৬. রবীন্দ্রনাথের শেষের কবিতা- ধ্রুবকুমার মুখোপাধ্যায়
- ১৭. বাংলা উপন্যাসের কালান্তর- সরোজ বন্দ্যোপাধ্যায়
- ১৮. তারাশঙ্করের শিল্প মানস – নিতাই বসু
- ১৯. তারাশঙ্কর অনুসন্ধান – ক্ষেত্র গুপ্ত
- ২০. তারাশঙ্কর অশ্রুতা – সরোজ বন্দ্যোপাধ্যায়
- ২১. তারাশঙ্কর : দেশ-কাল – অলোক রায়

২২. তারাশঙ্কর ও রাঢ় বাংলা – রঞ্জিতকুমার মুখোপাধ্যায়  
 ২৩. তারাশঙ্কর : সময় ও সমাজ – আদিত্য মুখোপাধ্যায়  
 ২৪. তারাশঙ্করের উপন্যাসে সমাজ চিন্তা – শেখর দাশ

## CC-11: নাট্য পাঠ

Credits 06

### C11T: নাট্য পাঠ

#### Course Contents:

- ক. সধবার একাদশী – দীনবন্ধু মিত্র  
 খ. সাজাহান – দ্বিজেন্দ্রলাল রায়  
 গ. ডাকঘর – রবীন্দ্রনাথ ঠাকুর

#### Suggested Readings:

১. দীনবন্ধু মিত্রের সধবার একাদশী – নির্মলেন্দু ভৌমিক
২. দ্বিজেন্দ্রলাল- দেব কুমার রায়চৌধুরী
৩. দ্বিজেন্দ্রলাল রায়ের স্বদেশ কথা- রবীন্দ্রনাথ রায়
৪. দ্বিজেন্দ্রলাল : কবি ও নাট্যকার- রবীন্দ্রনাথ রায়
৫. দ্বিজেন্দ্রলাল রায় : জীবন ও সাহিত্য- দুর্গাশঙ্কর মুখোপাধ্যায়
৬. সাজাহান- জগন্নাথ ঘোষ (সম্পাদিত)
৭. সাজাহান- নির্মলেন্দু ভৌমিক (সম্পাদিত)
৮. রবীন্দ্রনাথ নাট্যপরিক্রমা - উপেন্দ্রনাথ বন্দ্যোপাধ্যায়
৯. রবীন্দ্র নাট্যপ্রবাহ- প্রমথনাথ বিশী
১০. নাট্য মুক্তি ও রবীন্দ্রনাথ - শেখর সমাদার
১১. রবীন্দ্রনাথের ড্র্যাজেডি চেতনা - জীবনকুমার মুখোপাধ্যায়
১২. রবীন্দ্র নাটক : আলোকিত উদ্ভাবন - কুমার রায়
১৩. রবীন্দ্র নাট্য সাহিত্যের ভূমিকা - সাধনকুমার ভট্টাচার্য
১৪. দীনবন্ধু মিত্রের সধবার একাদশী- সম্পা. অজিতকুমার ঘোষ
১৫. ডাকঘর - সৌমিত্র বসু (সম্পাদিত)
১৬. রবীন্দ্রনাটে কবি রবীন্দ্রনাথ – শ্রুতিনাথ চক্রবর্তী
১৭. রবীন্দ্রনাথ ও কাব্য পরিক্রমা – অজিত চক্রবর্তী
১৮. দ্বিজেন্দ্রলাল রায়ের সাহিত্য ও শিল্পী মানস - দুর্গাশঙ্কর মুখোপাধ্যায়
১৯. দীনবন্ধু মিত্র : কবি ও নাট্যকার- মিহিরকুমার দাশ
২০. দীনবন্ধু মিত্র- সুশীলকুমার দে

## CC-12: কাব্যতত্ত্ব, পাশ্চাত্য সাহিত্য সমালোচনা-তত্ত্ব ও সাহিত্যের রূপরীতি

Credits 06

### C12T: কাব্যতত্ত্ব, পাশ্চাত্য সাহিত্য সমালোচনা-তত্ত্ব ও সাহিত্যের রূপরীতি

#### Course Contents:





- ক. কাব্য জিজ্ঞাসা (রস ও ধ্বনি) - অতুলচন্দ্র গুপ্ত  
 খ. ক্লাসিসিজম্, রোমান্টিসিজম্, সুররিয়ালিজম্, রিয়ালিজম্, সিম্বলিজম্  
 গ. মহাকাব্য, ট্রাজেডি, কমেডি, ফার্স(প্রহসন), লিরিক, এলিজি, ওড, আঞ্চলিক উপন্যাস, মনস্তাত্ত্বিক উপন্যাস, ঐতিহাসিক উপন্যাস।

### Suggested Readings:

১. সাহিত্য বিবেক - বিমলকুমার মুখোপাধ্যায়
২. কাব্যতত্ত্ব বিচার - দুর্গাশংকর মুখোপাধ্যায়
৩. প্রাচ্য ও পাশ্চাত্য সাহিত্যতত্ত্ব ও সাহিত্য রূপের অভিধান — আকরাম হোসেন
৪. ভারতীয় কাব্যতত্ত্ব — অবস্ঠীকুমার সান্যাল
৫. নন্দনের আলোকরেখা: কাব্যজিজ্ঞাসা — রামজীবন আচার্য
৬. কাব্যপ্রকাশ – সুরেন্দ্রনাথ দাশগুপ্ত
৭. সাহিত্য বিচার: তত্ত্ব ও প্রয়োগ— বিমলকুমার মুখোপাধ্যায়
৮. পাশ্চাত্য সাহিত্যতত্ত্ব ও সাহিত্য ভাবনা — নবেল্দু সেন
৯. প্রতীচ্যের সাহিত্যতত্ত্ব — তপোধীর ভট্টাচার্য
১০. সাহিত্যতত্ত্ব, সাহিত্য প্রসঙ্গ ও সমালোচনা বিচিত্রা— দুর্গাশঙ্কর মুখোপাধ্যায়
১১. সাহিত্য সংস্কা অভিধান— বদিউর রহমান
১২. ভারতীয় নন্দনতত্ত্ব – তপোধীর ভট্টাচার্য
১৩. সাহিত্য ও সমালোচনার রূপরীতি - উজ্জ্বলকুমার মজুমদার
১৪. সাহিত্য প্রকরণ - হীরেন চট্টোপাধ্যায়
১৫. সাহিত্যের রূপ ও রীতি - দিলীপকুমার রায়
১৬. সাহিত্যের রূপভেদ ও রূপরীতি- সত্যচরণ চট্টোপাধ্যায়
১৭. সাহিত্যের রূপরীতি - কুল্লল চট্টোপাধ্যায়
১৮. সাহিত্যের রূপভেদ ও রূপরীতি নির্ণয়- সুধাংশুশেখর মন্ডল
১৯. কাব্যালোক – সুধীর দাশগুপ্ত
২০. রসসমীক্ষা – রমারঞ্জন মুখোপাধ্যায়
২১. A Glossary of Literary Terms – M.K. Abrams
২২. A History of Literary Criticism – Rafey Habib
২৩. A short history of literary criticism – Vernon Hall
২৪. Literary Criticism: A short history – William Kurtz Wimsatt

### CC-13: লোকসাহিত্য

Credits 06

### C13T: লোকসাহিত্য

#### Course Contents:

- ক. লোকসাহিত্যের সংস্কা, স্বরূপ, বৈশিষ্ট্য।  
 ছড়া, ধাঁধা, প্রবাদ, লোককথা, লোকগীতি, লোকনাটক সম্পর্কিত আলোচনা  
 খ. মহায়া পালা( মৈমনসিংহ গীতিকা)

গ. বাংলার ব্রত – অবনীন্দ্রনাথ ঠাকুর

### Suggested Readings:

১. বাংলা লোকসাহিত্য - আশুতোষ ভট্টাচার্য
২. রবীন্দ্রনাথের লোকসাহিত্য – সনৎ কুমার মিত্র
৩. লোকসংস্কৃতির তত্ত্বরূপ ও স্বরূপ সন্ধান – তুষার চট্টোপাধ্যায়
৪. লোকসংস্কৃতির সীমানা ও স্বরূপ – পল্লব সেনগুপ্ত
৫. বঙ্গীয় লোকসংস্কৃতি কোষ – ড. বরুণকুমার চক্রবর্তী (সম্পাদিত)
৬. লোকসংস্কৃতি - অনিমেষকান্তি পাল
৭. লোকসাহিত্য পাঠ - মানস মজুমদার
৮. ফোকলোর : পরিচিতি ও পঠন-পাঠন - ময়হারুল ইসলাম
৯. লোকসংস্কৃতির তত্ত্ব জিজ্ঞাসা - ড. সৌমেন সেন
১০. বিশ্বায়ন ও লোকসংস্কৃতি – ড. ক্ষেত্র গুপ্ত
১১. বাংলা ধাঁধার ভূমিকা - নির্মলেন্দু ভৌমিক
১২. বাংলা ধাঁধার বিষয় বৈচিত্র্য ও সামাজিক পরিচয় – ড. শীলা বসাক
১৩. বিহঙ্গ - চারণা (লোকগীতি) - নির্মলেন্দু ভৌমিক
১৪. উত্তরবঙ্গের লোকগীতি – শিশিরকুমার মজুমদার
১৫. অবনীন্দ্রনাথ ও বাংলার ব্রত – নির্মলেন্দু ভৌমিক
১৬. বাংলার লোকনৃত্য – মহয়া মুখোপাধ্যায়
১৭. ভারতের লোকনাট্য – ধ্রুব দাস
১৮. বাংলার লোকনাট্য – সনৎ কুমার মিত্র(সম্পাদিত)
১৯. আদিবাসী লোককথা সংগ্রহ – দিব্যজ্যোতি মজুমদার
২০. বাংলার ব্রত ও অন্যান্য – (সম্পা.) সনৎ মিত্র
২১. মৈমনসিংহ-গীতিকা : পুনর্বিচার – মুনমুন চট্টোপাধ্যায়
২২. বাংলার ছড়া : ছড়ার বাংলা - (সম্পা.) সৌগত চট্টোপাধ্যায়
২৩. লোককথার বর্ণমালা - (সম্পা.) সৌগত চট্টোপাধ্যায়
২৪. বাংলার ব্রত ও অবনীন্দ্রনাথ - সৌগত চট্টোপাধ্যায়

CC-14: সংস্কৃত, ইংরেজি ও প্রতিবেশী সাহিত্যের ইতিহাস

Credits 06

C14T: সংস্কৃত, ইংরেজি ও প্রতিবেশী সাহিত্যের ইতিহাস

### Course Contents:

- ক. সংস্কৃত সাহিত্যের ইতিহাস  
(বৈদিক সাহিত্য, রামায়ণ, মহাভারত, কালিদাস, অশ্বঘোষ, ভাস)
- খ. ইংরেজি সাহিত্যের ইতিহাস  
(সেক্সপীয়ার, ওয়ার্ডসওয়ার্থ, চার্লস ডিকেন্স, বায়রণ, শেলী, টি.এস.এলিয়ট)
- গ. অন্যান্য প্রতিবেশী সাহিত্যের ইতিহাস  
হিন্দি ভক্তি সাহিত্য, প্রেমচন্দ, মহাদেবী বর্মা, ফকির মোহন সেনাপতি, রমাকান্ত রথ, কালিন্দীচরণ পানিগ্রাহী, লক্ষ্মীকান্ত বেজবড়ুয়া, রজকান্ত বরদলৈ, বিরিশ্বিকুমার বড়ুয়া।

### Suggested Readings:

১. সংস্কৃত সাহিত্যের ইতিহাস – ত্রৈলোক্যনাথ ভট্টাচার্য
২. সংস্কৃত সাহিত্যের ইতিহাস – গৌরীনাথ শাস্ত্রী
৩. সংস্কৃত সাহিত্য পরিক্রমা – করুণাসিন্ধু দাস
৪. সংস্কৃত সাহিত্যের ইতিহাস – ধীরেন্দ্রনাথ বন্দ্যোপাধ্যায়
৫. সংস্কৃত সাহিত্যের দশরত্ন – সুখেন্দুসুন্দর গঙ্গোপাধ্যায়
৬. সংস্কৃত সাহিত্যের রূপরেখা – বিমানচন্দ্র ভট্টাচার্য
৭. সংস্কৃত সাহিত্যের রূপরেখা – বিমানবিহারী ভট্টাচার্য
৮. সংস্কৃত সাহিত্যের রূপরেখা – নৃসিংহ প্রসাদ ভাদুড়ী
৯. সংস্কৃত সাহিত্যের ইতিহাস – সুকুমারী ভট্টাচার্য
১০. ভারতীয় আর্ষ-সাহিত্যের ইতিহাস – সুকুমার সেন
১১. A History of English Literature – David Daiches
১২. The Short Oxford History of English Literature – A. sSnders
১৩. ইংরেজি সাহিত্যের ইতিহাস – কুন্তল চট্টোপাধ্যায়
১৪. প্রেমচন্দ-উপন্যাস ও গল্প – রামবহাল তেওয়ারী
১৫. আধুনিক হিন্দি সাহিত্য – গতি ও প্রকৃতি(১ম ও ২য় খণ্ড) –
১৬. হিন্দি সাহিত্যের ইতিহাস - রামবহাল তেওয়ারী
১৭. ওড়িয়া সাহিত্য – প্রিয়রঞ্জন সেন
১৮. Idea of Comparative Literature in India – Amiya Deb
১৯. অসমিয়া সাহিত্যের ইতিহাস – বিরিশি কুমার বড়ুয়া
২০. প্রগতি ভাবনা- বাংলা কবিতা ও ওড়িয়া কবিতা- মৃগালকান্তি দাস
২১. ওড়িয়া সাহিত্যের সংক্ষিপ্ত ইতিহাস- নটবর সামন্তরায়
২২. আধুনিক ওড়িয়া কাব্যধারা- নরেন্দ্রনাথ মিশ্র

### **Discipline Specific Elective (DSE)**

#### DSE-1: প্রাচীন সাহিত্যতত্ত্ব ও সাহিত্যতাত্ত্বিক

Credits 06

#### DSE1T: প্রাচীন সাহিত্যতত্ত্ব ও সাহিত্যতাত্ত্বিক

#### Course Contents:

১. প্রাচীন মতানুসারে কাব্যের রূপ-রীতি, নাট্যতত্ত্ব
২. রীতি, অলংকার, গুণ, ঔচিত্য ও বক্রোক্তি
৩. ভরত, ভামহ, বামন, দণ্ডী, আনন্দবর্ধন, অভিনব গুপ্ত, বিশ্বনাথ কবিরাজ

#### Suggested Readings:

১. সাহিত্য বিবেক- বিমলকুমার মুখোপাধ্যায়
২. কাব্যতত্ত্ব বিচার – দুর্গাশঙ্কর মুখোপাধ্যায়
৩. প্রাচ্য ও পাশ্চাত্য সাহিত্যতত্ত্ব ও সাহিত্য রূপের অভিধান — আকরাম হোসেন
৪. ভারতীয় কাব্যতত্ত্ব— অবন্তী কুমার সান্যাল

৫. নন্দনের আলোকরেখা: কাব্যজিজ্ঞাসা — রামজীবন আচার্য
৬. সমালোচনা সাহিত্য – শ্রীকুমার বন্দ্যোপাধ্যায় ও প্রফুল্ল পাল
৭. সাহিত্য বিচার: তত্ত্ব ও প্রয়োগ— বিমলকুমার মুখোপাধ্যায়
৮. কাব্য বিচার – সুরেন্দ্রনাথ দাশগুপ্ত
৯. ভারতীয় কাব্যতত্ত্ব – অবন্তীকুমার সাগ্যাল
১০. সাহিত্যতত্ত্ব, সাহিত্য প্রসঙ্গ ও সমালোচনা-বিচিত্রা — দুর্গাশঙ্কর মুখোপাধ্যায়
১১. কাব্যতত্ত্ব – জীবেন্দ্র সিংহ রায়
১২. ভারতীয় নন্দনতত্ত্ব – তপোধীর ভট্টাচার্য
১৩. সাহিত্য ও সমালোচনার রূপরীতি- উজ্জ্বলকুমার মজুমদার
১৪. সাহিত্য-প্রকরণ - হীরেন চট্টোপাধ্যায়
১৫. সাহিত্যের রূপ ও রীতি- দিলীপকুমার রায়
১৬. সাহিত্যের রূপভেদ ও রূপরীতি- সত্যচরণ চট্টোপাধ্যায়
১৭. সাহিত্যের রূপরীতি- কুন্তল চট্টোপাধ্যায়
১৮. সাহিত্যের রূপভেদ ও রূপরীতি নির্ণয়- সুধাংশুশেখর মন্ডল
১৯. কাব্যালোক – সুধীর দাশগুপ্ত
২০. রসসমীক্ষা – রমারঞ্জন মুখোপাধ্যায়

## অথবা

### DSE-1: বাংলা সাহিত্যে প্রভাব

Credits 06

### DSE1T: বাংলা সাহিত্যে প্রভাব

#### Course Contents:

- ক. বাংলা সাহিত্যে সংস্কৃত সাহিত্যের প্রভাব  
বেদ-উপনিষদ, পুরাণ, কালিদাস
- খ. বাংলা সাহিত্যে ইউরোপীয় সাহিত্যের প্রভাব  
শেক্সপিয়ার, মলিয়ের, স্কট, বোদলেয়ার, চার্লস ল্যাশ্ব, টি.এস.এলিয়ট
- গ. বাংলা সাহিত্যিকদের উপর বাংলা লোকসাহিত্যের প্রভাব  
রবীন্দ্রনাথ, অবনীন্দ্রনাথ ঠাকুর, উপেন্দ্রকিশোর রায় চৌধুরী, ত্রৈলোক্যনাথ মুখোপাধ্যায়, বিভূতিভূষণ বন্দ্যোপাধ্যায়, তারশঙ্কর বন্দ্যোপাধ্যায়

#### Suggested Readings:

১. বাংলা কাব্যে পাশ্চাত্য প্রভাব - উজ্জ্বলকুমার মজুমদার
২. আধুনিক বাংলা কবিতায় ইউরোপীয় প্রভাব - মঞ্জুভাষ মিত্র
৩. প্রতীচ্য প্রেরণা ও কল্লোলীয় সাহিত্য - গোকুলানন্দ মিশ্র
৪. সংস্কৃতানুশীলনে রবীন্দ্রনাথ -সুখময় ভট্টাচার্য
৫. রবীন্দ্রসাহিত্যে সংস্কৃত সাহিত্যের প্রভাব -কল্যাণী শঙ্কর ঘটক
৬. প্রাচীন ভারতীয় সাহিত্য অনুপ্রাণনায় পাঁচজন আধুনিক কবি – বাণী রঞ্জন দে
৭. রবীন্দ্রনাথ ও লোকসংস্কৃতি – সুভাষ মুখোপাধ্যায়
৮. অবনীন্দ্রনাথের শিল্পতত্ত্ব – সত্যেন্দ্রনাথ রায়

৯. বাংলা উপন্যাসে লৌকিক উপাদান – সুভাষ মুখোপাধ্যায়

অথবা

**DSE-1:** সাহিত্য আন্দোলন, সমালোচনা ও রূপরীতি

**Credits 06**

**DSE1T:** সাহিত্য আন্দোলন, সমালোচনা ও রূপরীতি

**Course Contents:**

ক. আন্দোলন :

মডার্নিজম, পোস্ট মডার্নিজম, ফেমিনিজম, এক্সপ্ৰেশানিজম, ইমপ্ৰেশানিজম, অ্যাবসার্ডিজম

খ. সমালোচনা :

মিথ ক্রিটিকিজম, আর্কেটাইপাল ক্রিটিকিজম, হিস্টোরিক্যাল ক্রিটিকিজম, কম্পারেটিভ ক্রিটিকিজম।

গ. রীতি :

সনেট, ব্যালাড, চেতনাপ্রবাহমূলক উপন্যাস, আত্মজীবনীমূলক উপন্যাস, মেলোড্রামা, নৃত্যনাট্য, কাব্যনাট্য, নাট্যকাব্য।

**Suggested Readings:**

১. সাহিত্যের রূপ-রীতি ও অন্যান্য প্রসঙ্গ - কুন্তল চট্টোপাধ্যায়
২. বাংলা সাহিত্যের নানা দিক – শুদ্ধস্ব বসু
৩. বাংলা কাব্যে রূপ ও রীতি – ক্ষুদীরাম দাস
৪. সাহিত্যের রূপ শিল্প – অপূর্ব রায়
৫. সাহিত্য-সন্দর্শন – শ্রীশচন্দ্র দাশ
৬. A Glossary of Literary Terms – M.K. Abrams
৭. A History of Literary Criticism – Rafey Habib
৮. A short history of literary criticism – Vernon Hall
৯. Literary Criticism : A short history – William Kurtz Wimsatt
১০. সাহিত্যের রূপ-রীতি – উজ্জ্বলকুমার মজুমদার
১১. সাহিত্যের রূপভেদ : রূপরীতি – সত্যচরণ চট্টোপাধ্যায়
১২. Literary Criticism: A short history – William k. Wimsatt, JR. Cleanth Brooks

**DSE-2:** জীবনী সাহিত্য ও পত্র সাহিত্য

**Credits 06**

**DSE2T:** জীবনী সাহিত্য ও পত্র সাহিত্য

**Course Contents:**

১. রবীন্দ্রনাথের ছিন্নপত্র (নির্বাচিত অংশ)  
(১৬, ৩০, ৪৯, ৮০, ৯২, ১০২, ১০৩, ১০৬, ১১৫)
২. আপন কথা – অবনীন্দ্রনাথ ঠাকুর
৩. তৃণাকুর – বিভূতিভূষণ বন্দ্যোপাধ্যায়

### Suggested Readings:

১. চিঠিপত্রে রবীন্দ্রনাথ – শৌরীন্দ্রমোহন রায়চৌধুরী
২. বিভূতিভূষণ জীবন ও সাহিত্য - সুনীল কুমার চট্টোপাধ্যায়
৩. বিভূতিভূষণ জীবন ও শিল্প - গোপিকানাথ রায়চৌধুরী
৪. অবনীন্দ্রনাথ : সৃষ্টি সমীক্ষা – সরোজ বন্দ্যোপাধ্যায়
৫. বাংলা সাহিত্যে আত্মজীবনী - সোমেন্দ্রনাথ বসু
৬. বাংলা পত্রোপন্যাস – অতুলকুমার দাশ
৭. রবীন্দ্রনাথের পত্রধারা : ছিন্নপত্র ও অন্যান্য - সোমেন্দ্রনাথ সরকার

### অথবা

DSE-2: বাংলা বিতর্কমূলক, সৌন্দর্যতত্ত্বমূলক এবং বিজ্ঞানচেতনামূলক গ্রন্থপাঠ

Credits 06

DSE2T: বাংলা বিতর্কমূলক, সৌন্দর্যতত্ত্বমূলক এবং বিজ্ঞানচেতনামূলক গ্রন্থপাঠ

### Course Contents:

- ক. রজবিলাস – ঈশ্বরচন্দ্র বিদ্যাসাগর
- খ. বাগেশ্বরী শিল্প প্রবন্ধাবলী – অবনীন্দ্রনাথ ঠাকুর  
(দৃষ্টি ও সৃষ্টি, শিল্প ও ভাষা, সৌন্দর্যের সন্ধান, অন্তর বাহির, অসুন্দর, অরূপ না রূপ)
- গ. অব্যক্ত – জগদীশচন্দ্র বসু

### Suggested Readings:

১. অবনীন্দ্র-নন্দনতত্ত্ব – সত্যজিৎ চৌধুরী
২. বিদ্যাসাগর – চণ্ডীচরণ বন্দ্যোপাধ্যায়
৩. অব্যক্ত – সম্পা. চারুচন্দ্র ভট্টাচার্য
৪. বাংলা সাহিত্যে বিদ্যাসাগর – অসিতকুমার বন্দ্যোপাধ্যায়
৫. বিদ্যাসাগর ও বাঙালী সমাজ – বিনয় ঘোষ
৬. রসমাগর বিদ্যাসাগর – শঙ্করীপ্রসাদ বসু
৭. অবনীন্দ্রনাথ সংখ্যা – পশ্চিমবঙ্গ (তথ্য ও সংস্কৃতি বিভাগ)
৮. বিজ্ঞানসাধক আচার্য জগদীশচন্দ্র– সম্পা. সুদীপ বসু ও অশোক উপাধ্যায়

### অথবা

DSE-2: বাংলা ছোটগল্প, ভ্রমণ কাহিনি ও গোয়েন্দা কাহিনি পাঠ

Credits 06

DSE2T: বাংলা ছোটগল্প, ভ্রমণ কাহিনি ও গোয়েন্দা কাহিনি পাঠ

### Course Contents:

- ক. রসময়ীর রসিকতা – প্রভাতকুমার মুখোপাধ্যায়  
বেদেনী – তারাশঙ্কর বন্দ্যোপাধ্যায়

- প্রাগৈতিহাসিক – মানিক বন্দ্যোপাধ্যায়  
 হয়তো – প্রমেন্দ্র মিত্র  
 অশ্বমেধের ঘোড়া – দীপেন বন্দ্যোপাধ্যায়  
 খ. মরুতীর্থ হিংলাজ – কালিকানন্দ অবধূত  
 গ. সজারুর কাঁটা – শরদিন্দু বন্দ্যোপাধ্যায়

### Suggested Readings:

১. বাংলা ছোটগল্প : প্রসঙ্গ ও প্রকরণ - বীরেন্দ্র দত্ত
২. বাংলা ছোটগল্প – ভূদেব চৌধুরী
৩. বাংলা ছোটগল্প – শিশির কুমার দাস
৪. বাংলা গল্প বিচিত্রা – নারায়ণ গঙ্গোপাধ্যায়
৫. ছোটগল্পে ত্রয়ী – বিশ্ববন্ধু ভট্টাচার্য
৬. প্রমেন্দ্র মিত্র ও আধুনিক বাংলা সাহিত্য - তরুণ মুখোপাধ্যায় ও শীতল চৌধুরী
৭. ক্রাইম কাহিনীর কাল-ক্রান্তি – সুকুমার সেন
৮. তারাশঙ্করের শিল্পীমানস – নিতাই বসু
৯. মানিক বন্দ্যোপাধ্যায়ের জীবনদৃষ্টি ও শিল্পরীতি – গোপিকানাথ রায়চৌধুরী
১০. মানিক বন্দ্যোপাধ্যায়ের জীবন ও সাহিত্য – সরোজমোহন মিত্র
১১. মানিকের ছোটগল্প : শিল্পীর নবজন্ম – আশিষ কুমার দে
১২. তারাশঙ্কর সাহিত্য সমীক্ষা – গৌরমোহন রায়
১৩. প্রভাত মুখোপাধ্যায় জীবন ও সাহিত্য – ড. শিবেশকুমার চট্টোপাধ্যায়
১৪. বাংলা ভ্রমণ সাহিত্যে মুক্তচিন্তা – পার্থ চট্টোপাধ্যায়
১৫. ছোটগল্পের রূপশিল্পী – ড. রামরঞ্জন রায়
১৬. প্রমেন্দ্র মিত্রের ছোটগল্প মননে ও সৃজনে – অনিন্দিতা বন্দ্যোপাধ্যায়
১৭. কথাশিল্পী শরদিন্দু : মন ও শিল্প- প্রমীলা ভট্টাচার্য
১৮. শরদিন্দু বন্দ্যোপাধ্যায় – নিতাই বসু
১৯. ব্র্যামকেশ শরদিন্দু : শরদিন্দুর ব্র্যামকেশ – বিবেক সিংহ

### অথবা

DSE-2: বাংলা রঙ্গমঞ্চ, সাময়িকপত্র ও অনুবাদ সাহিত্যের ইতিহাস Credits 06

DSE2T: বাংলা রঙ্গমঞ্চ, সাময়িকপত্র ও অনুবাদ সাহিত্যের ইতিহাস

### Course Contents:

- ক. বাংলা রঙ্গমঞ্চের ইতিহাস  
 খ. বাংলা সাময়িকপত্রের ইতিহাস  
 গ. বাংলা অনুবাদ সাহিত্যের ইতিহাস

### Suggested Readings:

১. বাংলা থিয়েটারের ইতিহাস – দর্শন চৌধুরী
২. বাংলা নাট্যমঞ্চের রূপ-রেখা – দুর্গাশঙ্কর মুখোপাধ্যায়

৩. বাংলা রঙ্গ মঞ্চের রূপ-রেখা – অশোককুমার মিশ্র
৪. বাংলা রঙ্গালয়ের ইতিহাসের উপাদান – শঙ্কর ভট্টাচার্য
৫. সংস্কৃত সাহিত্যের অনুবাদ ধারা – সাবিত্রী দে
৬. বাংলা সংবাদপত্র ও বাঙ্গালীর নবজাগরণ – পার্থ চট্টোপাধ্যায়
৭. বাংলা সাময়িক পত্র – ব্রজেন্দ্রনাথ বন্দ্যোপাধ্যায়
৮. মঞ্চ অভিনয়, নাট্যকলা ও রবীন্দ্রনাথ – পুলিন দাস
৯. বঙ্গরঙ্গমঞ্চ ও বাংলা নাটক - পুলিন দাস
১০. নাট্যমঞ্চ ও নাট্যরূপ – পবিত্র সরকার
১১. বাংলা থিয়েটারে সামাজিক ও রাজনৈতিক নাটক – দীপক পোদ্দার
১২. নাট্যতত্ত্ব ও নাট্যমঞ্চ – অজিতকুমার ঘোষ
১৩. বাংলা সাময়িক পত্র-পত্রিকার ক্রমবিকাশ পঞ্জি – অশোককুমার রায়

### DSE-3: গদ্য সাহিত্য পার্ট

Credits 06

### DSE3T: গদ্য সাহিত্য পার্ট

#### Course Contents:

- ক. আলালের ঘরের দুলাল- গ্যারীচাঁদ মিত্র
- খ. কমলাকান্তের দপ্তর(নির্বাচিত) – বঙ্কিমচন্দ্র চট্টোপাধ্যায়  
(আমার মন, পতঙ্গ, আমার দুর্গোৎসব, একটি গীত, বিড়াল)
- গ. পঞ্চতন্ত্র (নির্বাচিত) - সৈয়দ মুজতবা আলী  
(বই কেনা, ইন্টারভ্যু, বিষ্ণু শর্মা, ঐতিহাসিক উপন্যাস)

#### Suggested Readings:

১. বাংলা গদ্যের পদাঙ্ক – বিজিত দত্ত
২. গ্যারীচাঁদ মিত্র ও সমকালীন বাংলা – সৌরিন্দ্রকুমার ঘোষ
৩. বঙ্কিম মানস – অরবিন্দ পোদ্দার
৪. বঙ্কিম সরনী – প্রমথনাথ বিশী
৫. বঙ্কিম কণিকা – সমীর সেনগুপ্ত
৬. বঙ্কিম ভাবনালোক – ভবতোষ দত্ত
৭. বঙ্কিমচন্দ্র : সৃজন ও বীক্ষণ – ভবতোষ চট্টোপাধ্যায়
৮. কমলাকান্তের দপ্তর – ভবানীগোপাল সান্যাল
৯. মুজতবা আলী জীবন ও সাহিত্য – স্বাতী ভট্টাচার্য
১০. মজলিশী মুজতবা – কোরক পত্রিকা

অথবা

### DSE-3: কাব্য সাহিত্য পার্ট

Credits 06



## DSE3T: কাব্য সাহিত্য পাঠ

### Course Contents:

- ক. বিস্মরনী – মোহিতলাল মজুমদার
- খ. পারাপার- অমিয় চক্রবর্তী
- গ. যৌবন বাউল – অলোকরঞ্জন দাশগুপ্ত

### Suggested Readings:

১. কালের পুতুল – বুদ্ধদেব বসু
২. মোহিতলালের কাব্য ও কবিমানস – দুর্গাশঙ্কর মুখোপাধ্যায়
৩. কবি অমিয় চক্রবর্তী – সুমিতা চক্রবর্তী
৪. অমিয় চক্রবর্তীর পারাপার ও কবিমন – গোকুলানন্দ মিশ্র
৫. কালের প্রতিমা - অরুণ মুখোপাধ্যায়
৬. আধুনিক কবিতা ভাবনা ও অনুভাবনা – শ্রুতিনাথ চক্রবর্তী
৭. কাব্যের মুক্তি ও তারপর – দেবীপ্রসাদ বন্দ্যোপাধ্যায়
৮. আধুনিক কবিতার ইতিহাস – অলোকরঞ্জন দাশগুপ্ত ও দেবীপ্রসাদ বন্দ্যোপাধ্যায়
৯. আধুনিক বাংলা কাব্য পরিচয় - দীপ্তি ত্রিপাঠী
১০. মোহিতলাল মজুমদার : সাহিত্য ও ব্যক্তি প্রতিভা – দ্বিজেন্দ্রলাল নাথ
১১. আমার কালের কয়েকজন কবি – জগদীশ ভট্টাচার্য

অথবা

## DSE-3: নাট্য সাহিত্য পাঠ

Credits 06

## DSE3T: নাট্য সাহিত্য পাঠ

### Course Contents:

- ক. সাজাহান – দ্বিজেন্দ্রলাল রায়
- খ. সাজানো বাগান – মনোজ মিত্র
- গ. একাক্ষ নাটক
  - শিককাবাব – বনফুল
  - রাজপুরী – মন্মথ রায়
  - চৌরানন্দ – তুলসী লাহিড়ী
  - এক পশলা বৃষ্টি – ধনঞ্জয় বৈরাগী
  - সরীসৃপ – বিধায়ক ভট্টাচার্য

### Suggested Readings:

১. একাক্ষ নাটকের রূপ-রেখা(সম্পাদিত) - সরোজ মোহন মিত্র
২. দ্বিজেন্দ্রলাল কবি ও নাট্যকার – রথীন্দ্রনাথ রায়
৩. নাট্যতত্ত্ব বিচার – দুর্গাশঙ্কর মুখোপাধ্যায়
৪. বাংলা নাট্যসাহিত্যের ইতিহাস – আশুতোষ ভট্টাচার্য

৫. বাংলা নাটকের বিবর্তন – সুরেশচন্দ্র মৈত্র
৬. একাঙ্ক নাটক প্রয়োগ ও বিচার – তপন ঘোষাল
৭. দ্বিজেন্দ্রলাল রায় স্মরণ বিস্মরণ – সুধীর চক্রবর্তী
৮. দ্বিজেন্দ্রলালের সাজাহান – রথীন্দ্রনাথ রায়
৯. দ্বিজেন্দ্রলাল রায়ের সাজাহান – সুকুমার বন্দ্যোপাধ্যায়
১০. রবীন্দ্রোত্তর বাংলা নাটক – জগন্নাথ ঘোষ

#### DSE-4: রবীন্দ্রসাহিত্য পাঠ

Credits 06

#### DSE4T: রবীন্দ্রসাহিত্য পাঠ

#### Course Contents:

- ১। সে
- ২। মুক্তধারা
- ৩। নির্বাচিত কবিতা- নির্ঝরের স্বপ্নভঙ্গ, সোনারতরী, বধু, স্বর্গ হইতে বিদায়, রূপ সাগরে ডুব দিয়েছি(৪৭ সংখ্যক, গীতাঞ্জলি), সাধারণ মেয়ে।

#### Suggested Readings:

১. রবীন্দ্র ছোটগল্পের শিল্পরূপ - তপোব্রত ঘোষ
২. রবীন্দ্র নাটকের ট্র্যাজিডি – সোমেন্দ্রনাথ বসু
৩. রবীন্দ্র নাট্য সমীক্ষা রূপক-সাংকেতিক - দুর্গা শংকর মুখোপাধ্যায়
৪. রবীন্দ্র সাহিত্যের ভূমিকা - নীহাররঞ্জন রায়
৫. রবীন্দ্রনাথের রূপক নাট্য - শান্তি কুমার দাশগুপ্ত
৬. রবীন্দ্রনাথকে কবি রবীন্দ্রনাথ - সতীনাথ চক্রবর্তী
৭. কথা কবিতা রবীন্দ্রনাথ - নারায়ণ গঙ্গোপাধ্যায়
৮. কালের মাত্রা ও রবীন্দ্র নাটক - শঙ্খ ঘোষ
৯. রবীন্দ্র কাব্য পরিক্রমা - উপেন্দ্রনাথ ভট্টাচার্য
১০. রবিরশ্মি - চারুচন্দ্র বন্দ্যোপাধ্যায়
১১. রবীন্দ্র নাট্যপ্রবাহ - প্রমথনাথ বিশী
১২. রবীন্দ্র সরণি - প্রমথনাথ বিশী
১৩. রবীন্দ্র মানুষ - অরবিন্দ পোদ্দার
১৪. রবীন্দ্রনাথের উত্তর কাব্য - শিশির কুমার ঘোষ
১৫. রবীন্দ্রনাথের মুক্তধারা – ধুবকুমার মুখোপাধ্যায়

অথবা

#### DSE-4: উপন্যাস সাহিত্য পাঠ

Credits 06

#### DSE4T: উপন্যাস সাহিত্য পাঠ



### Course Contents:

- ক. পুতুল নাচের ইতিকথা – মানিক বন্দ্যোপাধ্যায়
- খ. তুঙ্গভদ্রার তীরে – শরদিন্দু বন্দ্যোপাধ্যায়
- গ. টানাপোড়েন – সমরেশ বসু

### Suggested Readings:

১. বঙ্গ সাহিত্যে উপন্যাসের ধারা - শ্রীকুমার বন্দ্যোপাধ্যায়
২. বাংলা উপন্যাসের কালালুর - সরোজ বন্দ্যোপাধ্যায়
৩. বাংলা উপন্যাসের ইতিহাস (প্রথম থেকে সপ্তম খন্ড) – ক্ষেত্র গুপ্ত
৪. বাংলা উপন্যাস সমীক্ষা - বীতশোক ভট্টাচার্য
৫. মানিক বন্দ্যোপাধ্যায়ের জীবন-দৃষ্টি ও শিল্পরীতি - গোপিকানাথ রায় চৌধুরী
৬. মানিক বন্দ্যোপাধ্যায়ের জীবন ও শিল্প - সরোজ মোহন মিত্র
৭. সমরেশ বসু: স্মরণ-সমীক্ষণ – সত্যজিৎ চৌধুরী ও অন্যান্য
৮. সমরেশ বসু: জীবন ও সাহিত্য – অমল হোড়
৯. সমরেশ বসু: সময় চিহ্ন – পার্থপ্রতিম বন্দ্যোপাধ্যায়
১০. রমণীয় শরদিন্দু – ক্ষেত্রগুপ্ত
১১. কথাগঠন – অনিন্দ্য ভট্টাচার্য

### অথবা

### DSE-4: প্রকৃতিচেতনামূলক, জাতীয়তামূলক ও বিশ্বমানবতামূলক সাহিত্যপাঠ

Credits 06

### DSE4T: প্রকৃতিচেতনামূলক, জাতীয়তামূলক ও বিশ্বমানবতামূলক সাহিত্যপাঠ

### Course Contents:

- ক. নবজাতক – রবীন্দ্রনাথ ঠাকুর
- খ. পলাশীর যুদ্ধ – নবীনচন্দ্র সেন
- গ. আরণ্যক – বিভূতিভূষণ বন্দ্যোপাধ্যায়

### Suggested Readings:

১. রবীন্দ্রকাব্য পরিক্রমা – উপেন্দ্রনাথ ভট্টাচার্য
২. রবীন্দ্র কাব্য প্রবাহ – প্রমথনাথ বিশী
৩. নবজাতক সমীক্ষা – গোকুলানন্দ মিশ্র
৪. আরণ্যক : নানা চোখে – (সম্পা) তরুণ বন্দ্যোপাধ্যায়
৫. আরণ্যকের অনন্যতা - (সম্পা) তাপস বসু
৬. বিভূতিভূষণের আরণ্যক – সমরেশ মজুমদার
৭. নবীনচন্দ্র সাহিত্য ও সাধনা – শান্তি চট্টোপাধ্যায়

**DSE-4:** বাংলা সাহিত্য এবং চিত্র, চলচ্চিত্র ও ক্রীড়া

**Credits 06**

**DSE4T:** বাংলা সাহিত্য এবং চিত্র, চলচ্চিত্র ও ক্রীড়া

**Course Contents:**

- ক. বাংলা সাহিত্যের চলচ্চিত্রায়ন
- খ. বাংলা ক্রীড়া সাহিত্য
- গ. বাংলা সাহিত্য ও চিত্রকলা

**Suggested Readings:**

১. চলচ্চিত্র কথা- তানভীর মোকাম্মেল
২. চলচ্চিত্র দর্পণে রবীন্দ্রনাথ- ভুবনেশ্বর বন্দ্যোপাধ্যায়
৩. চলচ্চিত্রের রবীন্দ্ররচনা - কমল সাহা
৪. মতি নন্দী সংখ্যা – কল্যাণ মজুমদার (সম্পা.)
৫. খেলা সংগ্রহ (মতি নন্দী) – অভীক চট্টোপাধ্যায় (সম্পা.)
৬. চিত্র সমালোচনা – উত্তম চৌধুরী
৭. চিত্রদর্শন – অলোক মুখোপাধ্যায়
৮. ভারতীয় প্রাচীন চিত্রকলা - সুরেন্দ্রনাথ দাশগুপ্ত
৯. বাংলা চিত্রকলা – অশোক ভট্টাচার্য
১০. ছবি কাকে বলে – অশোক মিত্র
১১. বিষয় চলচ্চিত্র – সত্যজিৎ রায়
১২. বাংলা চলচ্চিত্র ও বাংলা সাহিত্য – নিশীথ কুমার মুখোপাধ্যায়

**Skill Enhancement Elective Course (SEC)**

**SEC-1:** বাংলা ব্যাকরণ ও অনুবাদতত্ত্ব

**Credits 02**

**SEC1T:** বাংলা ব্যাকরণ ও অনুবাদতত্ত্ব

**Course Contents:**

- ক. সমাস, সন্ধি, প্রত্যয়, ছেদ ও যতি চিহ্নের ব্যবহার, বাগধারা ও প্রবাদ-প্রবচন, এক কথায় প্রকাশ
- খ. অনুবাদতত্ত্ব (আক্ষরিক অনুবাদ, ভাবানুবাদ ও সংক্ষিপ্ত অনুবাদ) ও পরিভাষা চর্চা

**Suggested Readings:**

১. ব্যাকরণ কৌমুদী – বিদ্যাসাগর
২. উচ্চতর বাংলা ব্যাকরণ – বামনদেব চক্রবর্তী
৩. ভাষা প্রকাশ বাঙ্গালা ব্যাকরণ – সুনীতিকুমার চট্টোপাধ্যায়
৪. ভাষার ইতিবৃত্ত – সুকুমার সেন
৫. On Translations – Richards, I.A.
৬. Translation – Alan Daff

## SEC-1: লিখন-দক্ষতা বৃদ্ধি

Credits 02

## SEC1T: লিখন-দক্ষতা বৃদ্ধি

## Course Contents:

- ক. অফিসিয়াল পত্রলিখন, সংবাদপত্রে প্রতিবেদন, ভাবার্থ ও ভাবসম্প্রসারণ, সরকারী কাজের রিপোর্ট লিখন, বিজ্ঞাপনের খসড়া রচনা, বানানবিধি, প্রুফ সংশোধন
- খ. বাংলা ভাষার কাজে কম্পিউটার শিক্ষা

## Suggested Readings:

১. লেখক ও সম্পাদকের অভিধান – সুভাষ ভট্টাচার্য
২. **Basic Computer Course Made Simple – Satish Jain**
৩. বাংলা বানান চিন্তা – মিতালি ভট্টাচার্য

## SEC-2: বাংলা ভাষা ও সাহিত্য বিষয়ক প্রকল্প রচনা ও প্রকল্পপত্র উপস্থাপনা

Credits 02

## SEC2T: বাংলা ভাষা ও সাহিত্য বিষয়ক প্রকল্প রচনা ও প্রকল্পপত্র উপস্থাপনা

## Course Contents:

- ক. প্রকল্প রচনা (Project Writing)
- খ. প্রকল্পপত্র উপস্থাপনা (Paper presentation)

## SEC-2: চিত্রনাট্য রচনা ও সাম্প্রতিক ঘটনা বিশ্লেষণ

Credits 02

## SEC2T: চিত্রনাট্য রচনা ও সাম্প্রতিক ঘটনা বিশ্লেষণ

## Course Contents:

- ক. চিত্রনাট্য লিখন (Script-Writing)
- খ. সাম্প্রতিক ঘটনা বিশ্লেষণ

## Suggested Readings:

১. চলচ্চিত্রের অভিধান – ধীমান দাশগুপ্ত
২. সিনেমার অ আ ক খ - ধীমান দাশগুপ্ত
৩. বিষয় চলচ্চিত্র – সত্যজিৎ রায়
৪. বই নয়, ছবি – চিদানন্দ দাশগুপ্ত

৫. সিনেমার ভালোমন্দ – সোমেশ্বর ভৌমিক
৬. চিত্রনাট্য রচনা ও চিত্রনাট্য বিশ্লেষণ – ধীমান দাশগুপ্ত
৭. চিত্রনাট্য সাহিত্যে নতুন ভুবন - মানবেন্দ্রনাথ সাহা

**Generic Electives (GE)**  
**[Interdisciplinary for other Department]**

**GE-1: বাংলার ভূ-খণ্ড, জাতির উৎপত্তি ও ধর্ম ও সংস্কৃতির ইতিহাস এবং লোকসাহিত্য**  
**Credits 06**

**GE1T: বাংলার ভূ-খণ্ড, জাতির উৎপত্তি ও ধর্ম ও সংস্কৃতির ইতিহাস এবং লোকসাহিত্য**

**Course Contents:**

- ক. বাঙালি জাতির উৎপত্তি ও বাংলা ভূ-খণ্ডের ইতিহাস
- খ. বাঙালির ধর্ম ও সংস্কৃতির (খাদ্যাভ্যাস, পোশাক-পরিচ্ছদ, উৎসব-পার্বণ, সামাজিক রীতি-অনুষ্ঠান) সাধারণ পরিচয়
- গ. লোকসাহিত্য সংজ্ঞা, স্বরূপ ও বৈশিষ্ট্য  
ছড়া, ধাঁধা, প্রবাদ, রতকথা, গীতিকা, লোককথা, লোকনাটক, লোকগীতি

**Suggested Readings:**

১. বাংলা ও বাঙালীর বিবর্তন - অতুল সুর
২. বৃহৎ বঙ্গ – দীনেশচন্দ্র সেন
৩. গৌড়ের ইতিহাস- রজনীকান্ত চক্রবর্তী
৪. গঙ্গারিডি ও বঙ্গভূমি - প্রভাতকুমার ঘোষ
৫. পশ্চিমবঙ্গের সংস্কৃতি - বিনয় ঘোষ
৬. সংবাদপত্রে সেকালের কথা - রজনীন্দ্রনাথ বন্দ্যোপাধ্যায়
৭. বাংলার ইতিহাস - রাখালদাস বন্দ্যোপাধ্যায়
৮. বাঙালীর নৃতাত্ত্বিক পরিচয় - অতুল সুর
৯. বাংলা বাঙালী ও বাঙালীত্ব - আহমদ শরীফ
১০. বাংলার মুখ আমি দেখিয়াছি- শঙ্কর সেনগুপ্ত
১১. বাঙালীর ইতিহাস - নীহাররঞ্জন রায়
১২. বাংলার লোকসংস্কৃতি বিশ্বকোষ- দুলাল চৌধুরী
১৩. বঙ্গীয় লোকসংস্কৃতি কোষ - বরুণকুমার চক্রবর্তী
১৪. লোকসাহিত্য - আসরাফ সিদ্দিকী
১৫. বাংলার প্রবাদ - সুদেষ্ণা বসাক
১৬. বাংলার রতপার্বণ- শীলা বসাক
১৭. গীতিকা : স্বরূপ ও বৈশিষ্ট্য - বরুণ কুমার চক্রবর্তী
১৮. বাংলা ধাঁধার বিষয়বৈচিত্র্য ও সামাজিক পরিচয় – শীলা বসাক
১৯. বাংলার লোকগীত কথা – চিত্তরঞ্জন দেব
২০. বাংলার লোককথা – বুদ্ধদেব রায়
২১. বাংলার লোকনৃত্য ও গীতিবৈচিত্র্য– মণি বর্ধন

**Course Contents:**

- ক. পৃথিবীর প্রধান প্রধান বংশের সাধারণ পরিচয়, ইন্দো-ইউরোপীয় ভাষাবংশের সাধারণ পরিচয়, বাংলা ভাষার উদ্ভবের ইতিহাস, বাংলা ভাষার বিভিন্ন স্তরের বৈশিষ্ট্য,
- খ. বাংলা উপভাষা, বাংলা সাধু ও চলিত ভাষা, বাংলা বাক্যের গঠন (প্রথাগত), বাংলা শব্দভাণ্ডার
- গ. ধ্বনি পরিবর্তনের কারণ ও সূত্রসমূহ, শব্দার্থ পরিবর্তনের কারণ ও সূত্রসমূহ

**Suggested Readings:**

- ১.সাধারণ ভাষাবিজ্ঞান ও বাংলা ভাষা - রামেশ্বর 'শ
- ২.ভাষাবিদ্যা পরিচয় - পরেশচন্দ্র ভট্টাচার্য
- ৩.বাংলাভাষার ব্যাকরণ ও তার ক্রমবিকাশ- নির্মল দাশ
- ৪.বাংলা ভাষা পরিক্রমা- পরেশচন্দ্র মজুমদার
- ৫. ভাষাতত্ত্ব ও বাংলাভাষা – বাণী রঞ্জন দে
- ৬.ঝাড়খণ্ডী বাংলার ঝাড়গাঁয়ী রূপ – ছন্দা ঘোষাল
- ৭.ভাষাতত্ত্ব – অতীন্দ্র মজুমদার
- ৮.Origin and Development of the Bengali Language- Suniti Kumar Chatterjee
- ৯.বাংলা ভাষাতত্ত্বের ভূমিকা - সুনীতিকুমার চট্টোপাধ্যায়
- ১০.বাংলা ভাষা - পার্বতীচরণ ভট্টাচার্য
- ১১. বাংলা ভাষার ইতিবৃত্ত - ড. মুহম্মদ শহীদুল্লাহ
- ১২.ভাষার ইতিবৃত্ত - শ্রী সুকুমার সেন
- ১৩. প্রসঙ্গ: বাংলা ভাষা - সুখেন বিশ্বাস

**Course Contents:**

- ক. প্রাচীন ও মধ্যযুগের সাহিত্যের ধারা : চর্যাপদ, শ্রীকৃষ্ণকীর্তন, মঙ্গলকাব্য, বৈষ্ণবপদাবলী
- খ. আধুনিক কাব্য সাহিত্যের ধারা : মধুসূদন দত্ত, রবীন্দ্রনাথ ঠাকুর, জীবনানন্দ দাশ, নজরুল ইসলাম, সুধীন্দ্রনাথ দত্ত, অমিয় চক্রবর্তী, বিষ্ণু দে, শক্তি চট্টোপাধ্যায়
- গ. বৈষ্ণবপদাবলী পাঠ  
বিদ্যাপতি – চির চন্দন উরে হার না দেলা; এ সখি হামারি দুখের নাহি ওর;  
চণ্ডীদাস – সহ কেবা শুনাইল শ্যাম নাম ; এমন পীরিতি কভু নাহি দেখি শনি  
জ্ঞানদাস – রূপ লাগি আঁখি বুঝে ; বঁধু তোমার গরবে গরবিনী হাম

গোবিন্দদাস – নীরদ নয়নে নীর ঘন সিঞ্জে, কন্টক গাড়ি কমল সম পদতল

### Suggested Readings:

১. বাংলা সাহিত্যের ইতিবৃত্ত – ড. অসিতকুমার বন্দ্যোপাধ্যায়
২. বাংলা সাহিত্যের ইতিকথা- ড. ভূদেব চৌধুরী
৩. বাঙ্গালা সাহিত্যের ইতিহাস- ড. সুকুমার সেন
৪. সমগ্র বাংলা সাহিত্যের পরিচয়- ড. পরেশচন্দ্র ভট্টাচার্য
৫. বাঙলা সাহিত্যের রূপরেখা- গোপাল হালদার
৬. সমগ্র বাংলা সাহিত্যের ইতিহাস- ক্ষেত্র গুপ্ত
৭. বাংলা সাহিত্যের সম্পূর্ণ ইতিবৃত্ত- অসিতকুমার বন্দ্যোপাধ্যায়
৮. মঙ্গলকাব্যের ইতিহাস- আশুতোষ ভট্টাচার্য
৯. মধ্যযুগের কবি ও কাব্য- শঙ্করীপ্রসাদ বসু
১০. পাঁচশত বৎসরের পদাবলী- বিমানবিহারী মজুমদার (সম্পাদনা)
১১. বৈষ্ণব সাহিত্য – ত্রিপুরা শঙ্কর সেন শাস্ত্রী
১২. বাংলা সাহিত্যে কৃষ্ণকথার ক্রমবিকাশ- সত্যবতী গিরি
১৩. বৈষ্ণব পদাবলী পরিচয়- জীবেন্দু রায়
১৪. বৈষ্ণব রহস্য প্রকাশ- ক্ষুদীরাম দাস
১৫. পদাবলী পরিচয়- হরেকৃষ্ণ মুখোপাধ্যায়
১৬. বৈষ্ণব কবি প্রসঙ্গে- দেবনাথ বন্দ্যোপাধ্যায়
১৭. প্রসঙ্গ : বৈষ্ণব সাহিত্য- লায়েক আলি খান
১৮. বৈষ্ণব পদাবলী- সত্য গিরি
১৯. আধুনিক বাংলা কবিতার রূপরেখা – বাসন্তীকুমার মুখোপাধ্যায়
২০. আধুনিক কবিতার মানচিত্র – জীবেন্দু সিংহ রায়
২১. আধুনিক বাংলা কাব্য পরিচয় – দীপ্তি ত্রিপাঠী
২২. আমার কালের কয়েকজন কবি – জগদীশ ভট্টাচার্য
২৩. বাংলা কবিতার কালান্তর – সরোজ বন্দ্যোপাধ্যায়
২৪. আধুনিক কবিতার দিগ্বলয় – অশ্রুকুমার সিকদার

### অথবা

GE-2: নাট্য সাহিত্যের ধারা এবং কাব্য ও নাটক পাঠ

Credits 06

GE2T: নাট্য সাহিত্যের ধারা এবং কাব্য ও নাটক পাঠ

### Course Contents:

- ক. বাংলা নাট্য সাহিত্যের ধারা – মধুসূদন দত্ত, দীনবন্ধু মিত্র, গিরিশচন্দ্র ঘোষ, রবীন্দ্রনাথ ঠাকুর, দ্বিজেন্দ্রলাল রায়, মন্মথ রায়
- খ. বুড় শালিকের ঘাড়ে রোঁ – মধুসূদন দত্ত
- গ. কথা ও কাহিনী – রবীন্দ্রনাথ ঠাকুর

### Suggested Readings:





১. বাংলা নাট্য সাহিত্যের ইতিহাস – শ্রী আশুতোষ ভট্টাচার্য
২. বাংলা নাটকের ইতিহাস – অজিতকুমার ঘোষ
৩. নাট্য সাহিত্যের আলোচনা ও নাটক বিচার – সাধনকুমার ভট্টাচার্য
৪. নাট্য সাহিত্যের ভূমিকা – বিভাস রায়চৌধুরী
৫. বাংলা প্রহসন : একেই কি বলে সভ্যতা ও বুড় শালিকের ঘাড়ে রোঁ – ক্ষেত্র গুপ্ত
৬. মধুসূদন : কবি ও নাট্যকার – সুবোধচন্দ্র সেনগুপ্ত
৭. রবীন্দ্র-কাব্য-পরিক্রমা – উপেন্দ্রনাথ ভট্টাচার্য
৮. বুড় শালিকের ঘাড়ে রোঁ – হীরেন চট্টোপাধ্যায়
৯. রবীন্দ্র কাব্য প্রবাহ – প্রমথনাথ বিশী
১০. বাংলা সাহিত্যে লঘুনাট্যের ধারা – বৈদ্যনাথ শীল

### GE-3: বাংলা প্রবন্ধ ও কথাসাহিত্যের ধারা এবং প্রবন্ধ পাঠ

Credits 06

### GE3T: বাংলা প্রবন্ধ ও কথাসাহিত্যের ধারা এবং প্রবন্ধ পাঠ

#### Course Contents:

- ক. বাংলা প্রবন্ধ সাহিত্যের ধারা –  
ফোর্ট উইলিয়াম কলেজ, শ্রীরামপুর মিশন, বিদ্যাসাগর, বঙ্কিমচন্দ্র চট্টোপাধ্যায়, রবীন্দ্রনাথ ঠাকুর, প্রমথ চৌধুরী, সৈয়দ মুজতবা আলী, বুদ্ধদেব বসু, অন্নদাশঙ্কর রায়।
- খ. বাংলা কথাসাহিত্যের ধারা – বঙ্কিমচন্দ্র চট্টোপাধ্যায়, রবীন্দ্রনাথ ঠাকুর, প্রভাতকুমার মুখোপাধ্যায়, শরৎচন্দ্র চট্টোপাধ্যায়, তারানাথ বন্দ্যোপাধ্যায়, বিভূতিভূষণ বন্দ্যোপাধ্যায়, মানিক বন্দ্যোপাধ্যায়, শরদিন্দু বন্দ্যোপাধ্যায়, বলাইচাঁদ মুখোপাধ্যায়, সমরেশ বসু।
- গ. লোকরহস্য :  
(বাবু, ব্যাঘ্রাচার্য্য বৃহল্লাঙ্গুল, ইংরাজ স্তোত্র, সুবর্ণগোলক, হনুমদ্বাবুসংবাদ) – বঙ্কিমচন্দ্র চট্টোপাধ্যায়

#### Suggested Readings:

১. বাংলা সাহিত্যে গদ্য – সুকুমার সেন
২. আধুনিক বাংলা প্রবন্ধ সাহিত্যের ধারা - অধীর দে
৩. বাংলা গদ্য রীতির ইতিহাস - অরুণকুমার মুখোপাধ্যায়
৪. বাংলা গদ্যের ক্রমবিকাশ - হীরেন্দ্রনাথ দত্ত
৫. বাংলা গদ্যের ক্রমবিকাশ- হীরেন্দ্রনাথ দত্ত
৬. বঙ্গ সাহিত্যে উপন্যাসের ধারা – শ্রীকুমার বন্দ্যোপাধ্যায়
৭. বাংলা উপন্যাসের কালান্তর – সরোজ বন্দ্যোপাধ্যায়
৮. বাংলা উপন্যাসের ইতিহাস (প্রথম থেকে সপ্তম খন্ড) – ক্ষেত্রগুপ্ত
৯. বাংলা উপন্যাস সমীক্ষা – বীতশোক ভট্টাচার্য
১০. বঙ্কিমচন্দ্র – সুবোধ কুমার সেনগুপ্ত

অথবা

### GE-3: উপন্যাস ও ছোটগল্প পাঠ

Credits 06



## GE3T: উপন্যাস ও ছোটগল্প পাঠ

### Course Contents:

১. বিশ্ববৃক্ষ – বঙ্কিমচন্দ্র চট্টোপাধ্যায়
২. পথের পাঁচালী – বিভূতিভূষণ বন্দ্যোপাধ্যায়
৩. ছোটগল্প সংকলন –
  - পোষ্টমাস্টার – রবীন্দ্রনাথ
  - মহেশ – শরৎচন্দ্র
  - নিমগাছ – বনফুল
  - ডাইনি – তারাশঙ্কর বন্দ্যোপাধ্যায়
  - চিত্রচোর – সুবোধ ঘোষ

### Suggested Readings:

১. পথের পাঁচালি : জীবনদৃষ্টি ও শিল্পরূপ – সমরেশ মজুমদার
২. রবীন্দ্র ছোটগল্পের শিল্পরূপ – তপোব্রত ঘোষ
৩. শরৎচন্দ্র জীবন ও সাহিত্য – ড. অজিতকুমার ঘোষ
৪. বনফুল : জীবন, মন ও সাহিত্য – ড. উর্মি নন্দী
৫. বিভূতিভূষণ : জীবন ও সাহিত্য – সুনীলকুমার চট্টোপাধ্যায়
৬. তারাশঙ্কর অন্বেষা – সরোজ বন্দ্যোপাধ্যায়
৭. বাংলা ছোটগল্প : নববীক্ষণ – সরোজ পান
৮. রবীন্দ্রনাথের নির্বাচিত ছোটগল্প – অসিতকুমার বন্দ্যোপাধ্যায়
৯. বঙ্কিমচন্দ্র – সুবোধ কুমার সেনগুপ্ত
১০. শরৎচন্দ্র - সুবোধ কুমার সেনগুপ্ত
১১. আমার কালের কয়েকজন কথাশিল্পী – জগদীশ ভট্টাচার্য
১২. বাংলা ছোটগল্প – শিশির কুমার দাশ
১৩. সুবোধ ঘোষের ছোটগল্পের মানব মনস্তত্ত্ব – মোমেনুর রসুল
১৪. বাংলা ছোটগল্প : প্রসঙ্গ ও প্রকরণ – বীরেন্দ্র দত্ত
১৫. গল্পচর্চা – উজ্জ্বলকুমার মজুমদার
১৬. ছোটগল্পের পথে পথে – রবিন পাল
১৭. রবীন্দ্রনাথের গল্প : বিশ্লেষণীপাঠ – সমরেশ মজুমদার
১৮. রবীন্দ্রনাথের ছোটগল্প – প্রমথনাথ বিশী
১৯. বাংলা ছোটগল্প : মননে দর্পণে – শীতল চৌধুরী

## GE-4: বাংলা গীতিসাহিত্য, শিশুসাহিত্য ও রম্যরচনার ধারা

Credits 06

## GE4T: বাংলা গীতিসাহিত্য, শিশুসাহিত্য ও রম্যরচনার ধারা

### Course Contents:

- ক. বাংলা গীতি (সঙ্গীত-সাহিত্য) ধারা
- খ. বাংলা শিশুসাহিত্যের ধারা



(বিদ্যাসাগর, মদনমোহন তর্কালঙ্কার, শিবনাথ শাস্ত্রী, দক্ষিণারঞ্জন মিত্র মজুমদার, রবীন্দ্রনাথ, অবনীন্দ্রনাথ, যোগীন্দ্রনাথ সরকার, উপেন্দ্রকিশোর রায়চৌধুরী, সত্যজিৎ রায়, সুকুমার রায়, লীলা মজুমদার, নারায়ণ গঙ্গোপাধ্যায়, প্রেমেন্দ্র মিত্র, ত্রৈলোক্যনাথ মুখোপাধ্যায়, সুখলতা রাও)

গ. রম্যরচনার ধারা –

হতোম প্যাঁচা, প্রমথ চৌধুরী, কালপেঁচা, মুজতবা আলী, সঞ্জীব চট্টোপাধ্যায়

### Suggested Readings:

১. সংগীতকোষ – করুণাময়ী গোস্বামী
২. বাঙ্গালীর গান- দুর্গাদাস লাহিড়ী
৩. রবীন্দ্রসংগীত- শান্তিদেব ঘোষ
৪. সুরের আশ্রয়- সন্ধ্যা সেন
৫. রবীন্দ্রনাথের গান- সৌমেন্দ্রনাথ ঠাকুর
৬. ভারতীয় সংগীতের প্রকৃতি ও বাংলা গান - শান্তিদেব ঘোষ
৭. বাংলা গানের বিবর্তন – উৎপলা গোস্বামী
৮. বাংলা গানের সঙ্কানে – সুধীর চক্রবর্তী
৯. বাংলা শিশু কিশোর সাহিত্যের ইতিহাস ও বিবর্তন- মহুয়া ভট্টাচার্য
১০. বাংলা শিশু সাহিত্য ও পরিক্রমা – অশোককুমার দে
১১. বাংলা শিশুসাহিত্যের ক্রমবিকাশ - আশা গঙ্গোপাধ্যায়
১২. শিশু সাহিত্য ও সাহিত্যিক – প্রভাসরঞ্জন দে
১৩. শতাব্দীর শিশু সাহিত্য – খগেন্দ্রনাথ মিত্র
১৪. রম্যকথা – বিশ্বনাথ বন্দ্যোপাধ্যায়
১৫. রম্যকথা আলোচনা – কুমারেশ ঘোষ
১৬. বাংলা রম্য রচনার প্রাথমিক পরিচয় – ড. প্রতীপ মজুমদার
১৭. গদ্য পরম্পরা – ফাদার দ্যুপিয়োন
১৮. বাংলা সাহিত্যে সামাজিক নকশার পটভূমির প্রতিষ্ঠা – আবুল কাশেম চৌধুরী
১৯. আধুনিক ব্যঙ্গ পরিচয় – পরিমল গোস্বামী
২০. বীরবলের বৈঠকী গল্প – মিহির সেন
২১. বাংলা গানের চার দিগন্ত – সুধীর চক্রবর্তী
২২. বাংলা গানের ইতিবৃত্ত – সাবিত্রী ঘোষ

### অথবা

GE-4: বাংলা সাহিত্য এবং দার্শনিক, রাজনৈতিক ও সামাজিক চিন্তা

Credits 06

GE4T: বাংলা সাহিত্য এবং দার্শনিক, রাজনৈতিক ও সামাজিক চিন্তা

### Course Contents:

- ক. বাংলা সাহিত্য ও বাঙালির দর্শনচিন্তা
- খ. বাংলা সাহিত্য ও বাঙালির রাজনৈতিক চিন্তা

গ. বাংলা সাহিত্য ও বাঙালী সমাজচিন্তা

### Suggested Readings:

১. চিন্তানায়ক বঙ্কিমচন্দ্র - ভবতোষ দত্ত
২. বঙ্গীয় রেনেসাঁসে পাশ্চাত্য বিদ্যার ভূমিকা – সুনীল বন্দ্যোপাধ্যায়
৩. বাঙ্গালির সংস্কৃতি – সুনীতিকুমার চট্টোপাধ্যায়
৪. গোড়বঙ্গ সংস্কৃতি – হরেকৃষ্ণ মুখোপাধ্যায়
৫. বাঙলা ও বাঙ্গালির বিবর্তন – অতুল সুর
৬. বাঙলা ও বাঙ্গালির সামাজ্য ও সংস্কৃতি – অতুল সুর
৭. বঙ্গের জাতীয় ইতিহাস (রাজন্যাকাণ্ড) - নগেন্দ্রনাথ বসু
৮. বাংলার সামাজিক ইতিহাসের ধারা - বিনয় ঘোষ
৯. মধ্যযুগে বাঙ্গালা - কালীপ্রসন্ন বন্দ্যোপাধ্যায়
১০. বাংলার মুসলিম আধিকারের আদিপর্ব - সুখময় মুখোপাধ্যায়
১১. বাংলায় নবচেতনার ইতিহাস - স্বপন বসু
১২. উনিশশতক : ভাব, সংঘাত ও সমন্বয় - রাখালচন্দ্র নাথ
১৩. বাঙালীর নৃতাত্ত্বিক পরিচয় – অতুল সুর
১৪. বাঙালীর রাষ্ট্রচিন্তা – সৌরেন্দ্রমোহন গঙ্গোপাধ্যায়
১৫. ষোড়শ শতকের বাংলা সমাজ ও সাহিত্য - সুমঙ্গল রানা

### **MIL (AECC- Elective) - Bengali**

**AECC (Elective) - MIL (Bengali): বাংলা ভাষা-প্রসঙ্গ, অনুবাদ ও কথন-দক্ষতা**

**Credit 02**

### Course Contents:

#### বিভাগ-ক

#### বাংলা ভাষা-প্রসঙ্গ

১. ভাষাপরিকল্পনা
২. ধর্ম, পেশা, লিঙ্গ ভিত্তিক বাংলা সমাজভাষা
৩. বর্তমান আদর্শ কথ্য-বাংলার প্রকৃতি

#### বিভাগ-খ

#### অনুবাদ

১. অনুবাদ (বাংলা থেকে ইংরেজি ও ইংরেজি থেকে বাংলা)

#### বিভাগ-গ

#### কথন-দক্ষতা

২. সাক্ষাৎকার (Interview)
৩. বক্তৃতা (public speech) দক্ষতা



### Suggested Readings:

১. Sociolinguistics Pattern – William Lebov
২. Sociolinguistic – R.H. Hudson
৩. ভাষা ও সমাজ – মৃগাল নাথ
৪. সমাজভাষাবিজ্ঞান – রাজীব হুমায়ুন
5. Theories of Translation – J. Williams

# Vidyasagar University

## Curriculum for B.A (General) in Bengali [Choice Based Credit System]

### Semester-I

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
CC1 [DSC-1A]		CIT:বাংলা সাহিত্যের ইতিহাস ও বাংলা ভাষাতত্ত্ব	Core Course-1	5	1	0	6	75
CC2 [DSC-2A]	TBD	DSC-2A (other Discipline)	Core Course-2				6	75
AECC Core[L-1]		English-1	AECC-Core [Language core]	5	1	0	6	75
AECC (Elective )		English	AECC (Elective)	1	1	0	2	50
<b>Semester Total</b>							<b>20</b>	<b>275</b>

**L**=Lecture, **T**=Tutorial, **P**=Practical, **CC** = Core Course, **TBD** = To be decided, **AECC (Elective)** = Ability Enhancement Compulsory Course (Elective)

**DSC-1** = Discipline Specific Core of Subject-1, **DSC -2** = Discipline Specific Core of Subject-2,  
**AECC- Core [L-1]: Ability Enhancement Compulsory Course-Core [Language Core -1]**

**প্রথম সেমেস্টার ( Semester-I)**  
**কোর কোর্স [Core Course (CC)]**

**কোর কোর্স-১(CC-1): বাংলা সাহিত্যের ইতিহাস ও বাংলা ভাষাতত্ত্ব Credits 06**

- ১) ক. প্রাচীন ও মধ্যযুগ- চর্যাগীতি, শ্রীকৃষ্ণকীর্তন, কৃত্তিবাস, কাশীদাস, মুকুন্দরাম, ভারতচন্দ্র।  
খ. উনিশ শতকের গদ্য- ফোর্ট উইলিয়াম কলেজ, শ্রীরামপুর মিশন, রামমোহন রায়, বিদ্যাসাগর, প্যারীচাঁদ মিত্র, কালীপ্রসন্ন সিংহ, বঙ্কিমচন্দ্র চট্টোপাধ্যায়।  
গ. কবিতা- মধুসূদন দত্ত, রবীন্দ্রনাথ ঠাকুর, নজরুল ইসলাম, জীবনানন্দ।  
ঘ. কথাসাহিত্য- বঙ্কিমচন্দ্র চট্টোপাধ্যায়, রবীন্দ্রনাথ ঠাকুর, শরৎচন্দ্র চট্টোপাধ্যায়, বিভূতিভূষণ বন্দ্যোপাধ্যায়।
- ২) বাংলা ভাষার উদ্ভব, বাংলা ভাষার স্তরসমূহের বৈশিষ্ট্য, শব্দার্থের পরিবর্তন, বাংলা শব্দভান্ডার, ধ্বনি পরিবর্তন, বাংলা উপভাষা।

# Vidyasagar University

## Curriculum for B.A (General) in Bengali [Choice Based Credit System]

### Semester-II

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
CC3 [DSC-1B]		কাব্য-কবিতা	Core Course	5	1	0	6	75
CC4 [DSC-2B]	TBD	DSC-2B (other Discipline)	Core Course				6	75
AECC Core[L-1]		MIL-1	AECC-Core [Language core]	5	1	0	6	75
AECC (Elective)		Environmental Studies	AECC(Elective)				4	100
Semester Total							22	325

L=Lecture, T=Tutorial, P=Practical, CC = Core Course, TBD = To be decided, AECC (Elective) = Ability Enhancement Compulsory Course (Elective)

DSC-1 = Discipline Specific Core of Subject-1, DSC -2 = Discipline Specific Core of Subject-2,

AECC- Core: Ability Enhancement Compulsory Course-Core [Language Core-1]

### Semester-II

**DSC-1B: কাব্য - কবিতা**

**Credits 06**

**Course contents:**

**মধ্যযুগের কাব্য-কবিতা**

ক. বৈষ্ণব পদাবলী (৮টি নির্বাচিত পদ)

বিদাপতি- এ সখি হামারি দুখের নাহি ওর

আজু রজনী হাম ভাগে পোহায়লুঁ



চন্দ্রীদাস- যত নিবারিয়ে চাই নিবার না যায়  
রাধার কি হইল অন্তরে ব্যাথা  
জ্ঞানদাস- রূপ লাগি আঁখি বুঝে গুণে মন ভোর  
গোবিন্দদাস- গগনি নিমগ্ন দিনমনি কান্তি  
কন্টক গাড়ি কমল সম পদতল  
বলরাম দাস- শ্রীদাম সুদাম দাম শুন ওরে বলরাম

খ. শাক্ত পদাবলী (৬টি নির্বাচিত পদ)

ওরে নবমী নিশি- কমলাকান্ত ভট্টাচার্য  
ওহে গিরিরাজ, গৌরী অভিমান- কমলাকান্ত ভট্টাচার্য  
ওহে প্রাণনাথ গিরিবর- রামপ্রসাদ সেন  
কি হলো নবমী নিশি- কমলাকান্ত ভট্টাচার্য  
গিরি, এবার আমার উমা- রামপ্রসাদ সেন  
বারে বারে কহ রাগি- কমলাকান্ত ভট্টাচার্য

### অধুনিক যুগের কাব্য-কবিতা

#### ক. বীরঙ্গনা কাব্য-

(দুঃস্বপ্নের প্রতি শকুন্তলা, সোমের প্রতি তারা, দশরথের প্রতি কেকয়ী, লক্ষ্মণের প্রতি সূৰ্পনখা,  
দ্বারকানাথের প্রতি রুক্মিণী, নীলধ্বজের প্রতি জনা)

#### খ. আধুনিক কবিতা সংকলন (নির্বাচিত কবিতা ১০টি)

মধুসূদন দত্ত- আত্মবিলাপ  
রবীন্দ্রনাথ ঠাকুর- সোনার তরী  
সত্যেন্দ্রনাথ দত্ত- চম্পা  
যতীন্দ্রনাথ সেনগুপ্ত- দুঃখবাদী  
দিনেশ দাস- কাস্তে  
সুধীন্দ্রনাথ দত্ত- শাস্ত্রী  
সুভাষ মুখোপাধ্যায়- যত দূরে যাই  
শক্তি চট্টোপাধ্যায়- অবনী বাড়ি আছে  
সুনীল গঙ্গোপাধ্যায়- নীরার জল্য কবিতার ভূমিকা

#### Suggested Readings:

১. বৈষ্ণব সাহিত্য – ত্রিপুরা শঙ্কর সেন শাস্ত্রী
২. বাংলা সাহিত্যে কৃষ্ণকথার ক্রমবিকাশ - সত্যবতী গিরি

৩. বৈষ্ণব পদাবলী পরিচয় - জীবেন্দু রায়
৪. বৈষ্ণব রসপ্রকাশ - ক্ষুদিরাম দাস
৫. পদাবলী পরিচয় - হরেকৃষ্ণ মুখোপাধ্যায়
৬. বৈষ্ণব কবি প্রসঙ্গে - দেবনাথ বন্দ্যোপাধ্যায়
৭. প্রসঙ্গ : বৈষ্ণব সাহিত্য - লায়েক আলি খান
৮. বৈষ্ণব পদাবলী - সত্য গিরি
৯. ভারতের শক্তিসাধনা ও শাক্তসাহিত্য - শশিভূষণ দাশগুপ্ত
১০. শাক্তপদাবলী ও শক্তিসাধনা - জাহ্নবীকুমার চক্রবর্তী
১১. শাক্তপদাবলী - অমরেন্দ্রনাথ রায় (সম্পাদনা)
১২. শাক্তপদাবলী - ধ্রুবকুমার মুখোপাধ্যায় (সম্পাদনা)
১৩. শাক্তগীতি পদাবলী - অরুণকুমার বসু
১৪. বীরঙ্গনা কাব্য – হীরেন চট্টোপাধ্যায়
১৫. মধুসূদন ব্যক্তি ও সৃষ্টি – সুকুমার রায়
১৬. মধুসূদনের কবিতা ও কাব্য শিল্প – ক্ষেত্রগুপ্ত
১৭. কবি শ্রী মধুসূদন - মোহিতলাল মজুমদার
১৮. মধুসূদন কবি ও নাট্যকার - সুবোধ চন্দ্র সেনগুপ্ত
১৯. রবীন্দ্র সাহিত্যের ভূমিকা - নীহাররঞ্জন রায়
২০. রবীন্দ্র কাব্য পরিক্রমা - উপেন্দ্রনাথ ভট্টাচার্য
২১. রবিরশ্মি - চারুচন্দ্র বন্দ্যোপাধ্যায়
২২. কালের পুতুল – বুদ্ধদেব বসু
২৩. কালের প্রতিমা - অরুণ মুখোপাধ্যায়
২৪. আধুনিক কবিতা ভাবনা ও অনুভাবনা – শ্রুতিনাথ চক্রবর্তী
২৫. কাব্যের মুক্তি ও তারপর – দেবীপ্রসাদ বন্দ্যোপাধ্যায়
২৬. আধুনিক কবিতার ইতিহাস – অলোকরঞ্জন দাশগুপ্ত ও দেবীপ্রসাদ বন্দ্যোপাধ্যায়
২৭. আধুনিক বাংলা কাব্য পরিচয় - দীপ্তি ত্রিপাঠী
২৮. আমার কালের কয়েকজন কবি – জগদীশ ভট্টাচার্য

**AECC (Core)**  
**[Language-Core]**  
**MIL-1**  
**[AECC- Core] Bengali -1**

**CL-1: কবিতা ও ছোটগল্প**

**Credit 06**

**Course Contents:**

ক. বাংলা কবিতা (নির্বাচিত পাঁচটি)  
আমি- রবীন্দ্রনাথ ঠাকুর  
মহয়ার দেশ- সমর সেন  
সাম্যবাদী- নজরুল  
বড়বাবুর কাছে নিবেদন- অমিয় চক্রবর্তী  
উটপাখি –সুধীন্দ্রনাথ দত্ত

খ. বাংলা ছোটগল্প (নির্বাচিত পাঁচটি)  
মহেশ- শরৎচন্দ্র চট্টোপাধ্যায়  
লম্বকর্ণ-পরশুরাম  
পুঁইমাচা- বিভূতিভূষণ বন্দ্যোপাধ্যায়  
গিরগিটি-জ্যোতিরিন্দ্র বন্দী  
টিচার- মানিক বন্দ্যোপাধ্যায়  
তারিনী মাঝি (ছোটগল্প)- তারাশঙ্কর বন্দ্যোপাধ্যায়

### Suggested Readings:

১. রবীন্দ্র-কাব্য-পরিক্রমা – উপেন্দ্রনাথ ভট্টাচার্য
২. রবীন্দ্র কাব্য প্রবাহ – প্রমথনাথ বিশী
৩. আধুনিক কবিতা ভাবনা ও অনুভাবনা – শ্রুতিনাথ চক্রবর্তী
৪. কাব্যের মুক্তি ও তারপর – দেবীপ্রসাদ বন্দ্যোপাধ্যায়
৫. আধুনিক কবিতার ইতিহাস – অলোকরঞ্জন দাশগুপ্ত ও দেবীপ্রসাদ বন্দ্যোপাধ্যায়
৬. আধুনিক বাংলা কাব্য পরিচয় - দীপ্তি ত্রিপাঠী
৭. শরৎচন্দ্র জীবন ও সাহিত্য – ড. অজিতকুমার ঘোষ
৮. বিভূতিভূষণ : জীবন ও সাহিত্য – সুনীলকুমার চট্টোপাধ্যায়
৯. তারাশঙ্কর অশ্বেষা – সরোজ বন্দ্যোপাধ্যায়
১০. শরৎচন্দ্র - সুবোধ কুমার সেনগুপ্ত
১১. আমার কালের কয়েকজন কথাশিল্পী – জগদীশ ভট্টাচার্য
১২. বাংলা ছোটগল্প – শিশির কুমার দাশ
১৩. বাংলা ছোটগল্প: প্রসঙ্গ ও প্রকরণ – বীরেন্দ্র দত্ত
১৪. গল্পচর্চা – উজ্জ্বলকুমার মজুমদার
১৫. ছোটগল্পের পথে পথে – রবিন পাল

# Vidyasagar University

## Curriculum for B.A (General) in Bengali [Choice Based Credit System]

### Semester-III

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
DSC-1C		DSC1CT: বাংলা কথাসাহিত্য, নাটক ও প্রবন্ধ	Core Course	5	1	0	6	75
DSC-2C	TBD	DSC-2C (other Discipline)	Core Course				6	75
AECC Core[L-2]		English-2	AECC-Core [Language core]	5	1	0	6	75
SEC-1		TBD	Skill Enhancement Course	1	1	0	2	50
Semester Total							20	275

L=Lecture, T=Tutorial, P=Practical, CC = Core Course, TBD = To be decided, AECC (Elective) = Ability Enhancement Compulsory Course (Elective)

DSC-1 = Discipline Specific Core of Subject-1, DSC -2 = Discipline Specific Core of Subject-2,

AECC- Core: Ability Enhancement Compulsory Course-Core [Language Core-2]

### Semester-III

#### Core Course (CC)

**DSC-1C(CC-3): বাংলা কথাসাহিত্য, নাটক ও প্রবন্ধ**

**Credits 06**

**DSC1CT: বাংলা কথাসাহিত্য, নাটক ও প্রবন্ধ**

**Course contents:**

১. বাংলা নাটক ও প্রবন্ধপাঠ

ক. সাজাহান – দ্বিজেন্দ্রলাল রায়

খ. প্রবন্ধ (৫টি নির্বাচিত প্রবন্ধ)

গীতিকাব্য- বঙ্কিমচন্দ্র চট্টোপাধ্যায়

পিতামহ রামজয় তর্কভূষণ- বিদ্যাসাগর  
অপবিজ্ঞান- রাজশেখর বসু  
জাতীয় জীবন গঠনে সাহিত্যের স্থান- সুনীতিকুমার চট্টোপাধ্যায়  
আধুনিক যুগ ও রবীন্দ্রনাথ- অন্নদাশঙ্কর রায়

## ২. কথাসাহিত্য পাঠ-

ক. বাংলা ছোটগল্প (নির্বাচিত ৬টি ছোটগল্প)

ফুলের মূল্য- প্রভাতকুমার মুখোপাধ্যায়

চিকিৎসা সংকট- পরশুরাম

চতুর্থ পানিপথের যুদ্ধ- সুবোধ ঘোষ

মতিলাল পাদরী- কমলকুমার মজুমদার

স্বপ্নদায়িনী- মহাশ্বেতা দেবী

আস্বজা- বিমল কর

খ. পথের পাঁচালি- বিভূতিভূষণ বন্দ্যোপাধ্যায়

### Suggested Readings:

১. দ্বিজেন্দ্রলাল : কবি ও নাট্যকার- রথীন্দ্রনাথ রায়
২. দ্বিজেন্দ্রলাল রায় : জীবন ও সাহিত্য- দুর্গাশঙ্কর মুখোপাধ্যায়
৩. সাজাহান- জগন্নাথ ঘোষ (সম্পাদিত)
৪. সাজাহান- নির্মলেন্দু ভৌমিক (সম্পাদিত)
৫. দীনবন্ধু মিত্রের সধবার একাদশী- সম্পা. অজিতকুমার ঘোষ
৬. দ্বিজেন্দ্রলাল রায়ের সাহিত্য ও শিল্পী মানস - দুর্গাশঙ্কর মুখোপাধ্যায়
৭. দীনবন্ধু মিত্র : কবি ও নাট্যকার- মিহিরকুমার দাশ
৮. দীনবন্ধু মিত্র- সুশীলকুমার দে
৯. আধুনিক বাংলা প্রবন্ধ সাহিত্যের ধারা – অধীর দে
১০. বাংলা গদ্যরীতির ইতিহাস – অরুণকুমার মুখোপাধ্যায়
১১. বঙ্কিমচন্দ্র : সৃজন ও বীক্ষণ – ভবতোষ চট্টোপাধ্যায়
১২. বঙ্কিমচন্দ্রের বিবিধ প্রবন্ধ – নাড়ুগোপাল দে
১৩. প্রমথ চৌধুরী – জীবেন্দ্র সিংহ রায়
১৪. রাজশেখর বসু : জীবন ও সাহিত্য – কল্যাণী ঘোষ
১৫. রামেন্দ্রসুন্দরের চরিতকথা – বুদ্ধদেব ভট্টাচার্য
১৬. চিন্তনায়ক বঙ্কিমচন্দ্র – ভবতোষ দত্ত
১৭. আধুনিক বাংলা প্রবন্ধ সাহিত্যের ধারা(১ম ও ২য়) – অধীর দে
১৮. বাংলা ছোটগল্প – শিশির কুমার দাশ
১৯. সুবোধ ঘোষের ছোটগল্পের মানব মনস্তত্ত্ব – মোমেনুর রসুল

২০. বাংলা ছোটগল্প : প্রসঙ্গ ও প্রকরণ – বীরেন্দ্র দত্ত  
২১. গল্পচর্চা – উজ্জ্বলকুমার মজুমদার  
২২. ছোটগল্পের পথে পথে – রবিন পাল  
২৩. বাংলা ছোটগল্প : মননে দর্পণে – শীতল চৌধুরী  
২৪. পথের পাঁচালি : জীবনদৃষ্টি ও শিল্পরূপ – সমরেশ মজুমদার

*Skill Enhancement Course (SEC)*

**SEC-1: লিখন নৈপুণ্য বৃদ্ধি**

**Credits 02**

**SEC1T: লিখন নৈপুণ্য বৃদ্ধি**

**Course contents:**

**লিখন নৈপুণ্য বৃদ্ধি**

- ক. ভাবার্থ ও ভাবসম্প্রসারণ  
খ. সংবাদপত্রের উপযোগী প্রতিবেদন রচনা  
গ. অনুচ্ছেদ রচনা  
ঘ. প্রাতিষ্ঠানিক পত্র লিখন  
ঙ. বিজ্ঞাপনের খসড়া রচনা

**Suggested Readings:**

১. লেখক ও সম্পাদকের অভিধান – সুভাষ ভট্টাচার্য  
২. বাংলা বানান চিন্তা – মিতালি ভট্টাচার্য

Or

**SEC-1: ব্যবহারিক বাংলা**

**Credits 02**

**SEC1T: ব্যবহারিক বাংলা**

**Course contents:**

**ব্যবহারিক বাংলা**

- ক. বাংলা ভাষার কাজে কম্পিউটার শিক্ষা  
খ. প্রুফ সংশোধন, বানান বিধি, পরিভাষা

**Suggested Readings:**

Basic Computer Course Made Simple – Satish Jain

# Vidyasagar University

## Curriculum for B.A (General) in Bengali [Choice Based Credit System]

### Semester-IV

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
DSC-1D		DSC1DT: সাহিত্যতত্ত্ব ও সাহিত্য নির্মাণ কলা	Core Course	5	1	0	6	75
DSC-2D	TBD	DSC-2D (other Discipline)	Core Course				6	75
AECC Core[L-2]		Bengali -2	AECC-Core [Language core]	5	1	0	6	75
SEC-2		TBD	Skill Enhancement Course-2	1	1	0	2	50
Semester Total							20	275

L=Lecture, T=Tutorial, P=Practical, CC = Core Course, TBD = To be decided, DSC-1 = Discipline Specific Core of Subject-1, DSC -2 = Discipline Specific Core of Subject-2.

AECC-Core [L-2]: Ability Enhancement Compulsory Course - Core [Language Core-2]

## Semester-IV

### Core Course (CC)

**DSC-1D(CC-4): সাহিত্যতত্ত্ব ও সাহিত্য নির্মাণ কলা**

**Credits 06**

**DSC1DT: সাহিত্যতত্ত্ব ও সাহিত্য নির্মাণ কলা**

#### **Course contents:**

ক. রস ও ধ্বনি (কাব্যজিজ্ঞাসা - অতুলচন্দ্র গুপ্ত)

খ. ছন্দ - দলবৃত্ত, কলাবৃত্ত, মিশ্রবৃত্ত ও ছন্দনির্ণয়

অলঙ্কার- অনুপ্রাস, যমক, শ্লেষ, উপমা, উৎপ্রেক্ষা, সমাসোক্তি, রূপক।

#### **Suggested Readings:**

১. সাহিত্য বিবেক - বিমলকুমার মুখোপাধ্যায়
২. কাব্যতত্ত্ব বিচার - দুর্গাশংকর মুখোপাধ্যায়
৩. প্রাচ্য ও পাশ্চাত্য সাহিত্যতত্ত্ব ও সাহিত্য রূপের অভিধান - আকরাম হোসেন
৪. ভারতীয় কাব্যতত্ত্ব - অবন্তীকুমার সান্যাল
৫. নন্দনের আলোকরেখা: কাব্যজিজ্ঞাসা - রামজীবন আচার্য
৬. কাব্যপ্রকাশ - সুরেন্দ্রনাথ দাশগুপ্ত
৭. সাহিত্য বিচার: তত্ত্ব ও প্রয়োগ- বিমলকুমার মুখোপাধ্যায়
৮. পাশ্চাত্য সাহিত্যতত্ত্ব ও সাহিত্য ভাবনা - নবেন্দু সেন
৯. প্রতীচ্যের সাহিত্যতত্ত্ব - তপোধীর ভট্টাচার্য
১০. সাহিত্যতত্ত্ব, সাহিত্য প্রসঙ্গ ও সমালোচনা বিচিত্রা - দুর্গাশঙ্কর মুখোপাধ্যায়
১১. সাহিত্য সংস্কা অভিধান - বদিউর রহমান
১২. ভারতীয় নন্দনতত্ত্ব - তপোধীর ভট্টাচার্য
১৩. সাহিত্য ও সমালোচনার রূপরীতি - উজ্জ্বলকুমার মজুমদার
১৪. সাহিত্য প্রকরণ - হীরেন চট্টোপাধ্যায়
১৫. বাংলা ছন্দশিল্প ও ছন্দচিন্তার অগ্রগতি - প্রবোধচন্দ্র সেন
১৬. নূতন ছন্দ পরিক্রমা - প্রবোধচন্দ্র সেন
১৭. বাংলা ছন্দের মূলসূত্র - অমূল্যধন মুখোপাধ্যায়
১৮. বাংলা ছন্দশিল্প ও ছন্দচিন্তা - নীলরতন সেন
১৯. বাংলা ছন্দ বিবর্তনের ধারা - নীলরতন সেন
২০. ছন্দের বারান্দা - শঙ্খ ঘোষ
২১. বাংলা ছন্দ - জীবেন্দ্র সিংহ রায়
২২. নব ছন্দশৈলী - সুধাংশুশেখর শাসমল
২৩. ছন্দ পরিচয় - রামবহাল তেওয়ারী



২৪. বাংলা ছন্দ : রূপ ও রীতি- মিহির চৌধুরী কামিল্যা
২৫. বাংলা ছন্দশিল্প : প্রসঙ্গ অনুসঙ্গ - অপূর্ব কোলে
২৬. অলঙ্কার চন্দ্রিকা - শ্যামাপদ চক্রবর্তী
২৭. বাংলা অলঙ্কার বিচার - পঞ্চানন মালাকার
২৮. বাংলা অলঙ্কার মঞ্জরী - অশোককুমার মিশ্র
২৯. বাংলা অলঙ্কার : রূপ ও স্বরূপ - মিহির চৌধুরী কামিল্যা
৩০. প্রসঙ্গ অলঙ্কার – শুদ্ধসম্ব বসু

### *Skill Enhancement Course(SEC)*

**SEC-2:অনুবাদতত্ত্ব ও সৃজনশীল রচনা**

**Credits 02**

**SEC2T:অনুবাদতত্ত্ব ও সৃজনশীল রচনা**

#### **Course contents:**

ক. অনুবাদতত্ত্ব

খ. সৃজনশীল রচনা

#### **Suggested Readings:**

১. On Translations - Richards, I, A.
২. Translation – Alan Daff

**Or**

**SEC-2: বাংলা ধ্বনিতত্ত্ব ও রূপতত্ত্ব**

**Credits 02**

**SEC2T: বাংলা ধ্বনিতত্ত্ব ও রূপতত্ত্ব**

#### **Course contents:**

**বাংলা ধ্বনিতত্ত্ব ও রূপতত্ত্ব**

ক. বাংলা ভাষার স্বরধ্বনি, ব্যঞ্জনধ্বনি, ধ্বনি পরিবর্তনের সূত্র সমূহ

খ. উপসর্গ, প্রত্যয়, বিভক্তি

#### **Suggested Readings:**

১. ব্যাকরণ কৌমুদী – বিদ্যাসাগর
২. উচ্চতর বাংলা ব্যাকরণ – বামনদেব চক্রবর্তী
৩. ভাষা প্রকাশ বাঙ্গালা ব্যাকরণ – সুনীতিকুমার চট্টোপাধ্যায়
৪. ভাষার ইতিবৃত্ত – সুকুমার সেন

**AECC (Core) MIL-2**  
**MIL (Bengali) (Core)**

**AECC (Core) MIL (Bengali) -2: উনিশ শতকের বাংলা প্রবন্ধ ও লোকসাহিত্য** **Credit 06**

**Course Contents:**

**উনিশ শতকের বাংলা প্রবন্ধ ও লোকসাহিত্য**

- ক. গীতিকাব্য- বঙ্কিমচন্দ্র চট্টোপাধ্যায়  
বিদ্যাসাগর- রামেন্দ্রসুন্দর ত্রিবেদী  
ভাববার কথা- বিবেকানন্দ  
মুসলমানি বাংলা- হরপ্রসাদ শাস্ত্রী  
খ. মহুয়া পালা

**Suggested Readings:**

১. বঙ্কিম মানস – অরবিন্দ পোদ্দার
২. বঙ্কিম সরণী – প্রমথনাথ বিশী
৩. বঙ্কিম কণিকা – সমীর সেনগুপ্ত
৪. বঙ্কিম ভাবনালোক – ভবতোষ দত্ত
৫. বঙ্কিমচন্দ্র : সৃজন ও বীক্ষণ – ভবতোষ চট্টোপাধ্যায়
৬. আধুনিক বাংলা প্রবন্ধ সাহিত্যের ধারা - অধীর দে
৭. বাংলা গদ্য রীতির ইতিহাস - অরুণকুমার মুখোপাধ্যায়
৮. বাংলা গদ্যের ক্রমবিকাশ - হীরেন্দ্রনাথ দত্ত
৯. বাংলা লোকসাহিত্য - আশুতোষ ভট্টাচার্য
১০. রবীন্দ্রনাথের লোকসাহিত্য – সনৎ কুমার মিত্র
১১. লোকসংস্কৃতির তত্ত্বরূপ ও স্বরূপ সন্ধান – তুষার চট্টোপাধ্যায়
১২. লোকসংস্কৃতির সীমানা ও স্বরূপ – পল্লব সেনগুপ্ত
১৩. বঙ্গীয় লোকসংস্কৃতি কোষ – ড. বরুণকুমার চক্রবর্তী (সম্পাদিত)

**Or**

**AECC (Core) MIL (Bengali) - 2: ভাষাতত্ত্ব ও সাহিত্যতত্ত্ব** **Credit 06**

**Course Contents:**

১. ভাষাতত্ত্ব

- ক. শৈলী, শৈলীবিজ্ঞানের সাহায্যে সাহিত্যের শৈলী বিচার পদ্ধতি।  
খ. ভাষা পরিকল্পনা

## ২. সাহিত্যতত্ত্ব

- ক. পাশ্চাত্য সাহিত্যতত্ত্ব -

রিয়ালিজম, স্যুররিয়ালিজম, স্ট্রাকচারালিজম, ফেমিনিজম

- খ. ভারতীয় সাহিত্যতত্ত্ব -

অলঙ্কার, রীতি, বক্রোক্তি, ওঁচিতি, গুণ

## Suggested Readings:

১. ভাষা ও সমাজ – মৃগাল নাথ
২. সমাজভাষাবিজ্ঞান – রাজীব হুমায়ুন
৩. Theories of Translation – J. Williams

# Vidyasagar University

## Curriculum for B.A (General) in Bengali [Choice Based Credit System]

### Semester-V

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
DSE-1A		Any one from Discipline-1(Bengali) DSE1AT: বাংলা নাটক ও কবিতা or রবীন্দ্রনাথ	Core Course	5	1	0	6	75
DSE-2A	TBD	Other Discipline ( Any one from Discipline-2)/TBD	Core Course	5	1	0	6	75
GE-1		GE1T: শিশুসাহিত্য ও গোয়েন্দা কাহিনি or কাব্য	Generic Elective	5	1	0	6	75
SEC-3		SEC3T: শৈলী, কাব্যশৈলী বিচার, গদ্যশৈলী ও নাট্যশৈলী বিচার	Skill Enhancement Course	1	1	0	2	50
<b>Semester Total</b>							<b>20</b>	<b>275</b>

L=Lecture, T=Tutorial, P=Practical, DSE= Discipline Specific Electives, GE= Generic Elective, SEC= Skill Enhancement Course, TBD = To be decided.

## Semester-V

### Discipline specific Elective (DSE)

**DSE-1A: বাংলা নাটক ও কবিতা**

**Credits 06**

**DSE1AT: বাংলা নাটক ও কবিতা**

#### **Course contents:**

#### **ক. বাংলা নাটক ও কবিতা**

১. কৃষ্ণকুমারী- মধুসূদন দত্ত
২. নির্বাচিত পাঁচটি কবিতা
  - ক. বঙ্গভূমির প্রতি- মধুসূদন দত্ত
  - খ. বলাকা- রবীন্দ্রনাথ ঠাকুর
  - গ. সংগতি – অমিয় চক্রবর্তী
  - ঘ. আমরা – সত্যেন্দ্রনাথ দত্ত
  - ঙ. শাস্ত্রী – সুধীন্দ্রনাথ দত্ত
  - চ. অবনী বাড়ি আছে – শক্তি চট্টোপাধ্যায়

#### **Suggested Readings:**

১. মধুসূদনের কবিতা ও কাব্য শিল্প – ক্ষেত্রগুপ্ত
২. কবি শ্রী মধুসূদন - মোহিতলাল মজুমদার
৩. মধুসূদন কবি ও নাট্যকার - সুবোধ চন্দ্র সেনগুপ্ত
৪. বাংলা কবিতার কালান্তর - সরোজ বন্দ্যোপাধ্যায়
৫. আধুনিক কবিতা ভাবনা ও অনুভাবনা – শ্রুতিনাথ চক্রবর্তী
৬. প্রাচীন ভারতীয় সাহিত্য অনুপ্রাণনায় পাঁচজন আধুনিক কবি - বাণীরঞ্জন দে
৭. বলাকা কাব্য পরিক্রমা – শ্রী ক্ষিতিমোহন সেন
৮. কবি অমিয় চক্রবর্তী – সুমিতা চক্রবর্তী
৯. অমিয় চক্রবর্তীর পারাপার ও কবিমন – গোকুলানন্দ মিশ্র
১০. সত্যেন্দ্রনাথ দত্তের কবিতা ও কাব্যরূপ – হরপ্রসাদ মিত্র
১১. সুধীন্দ্রনাথ পাঠের ভূমিকা – দেবীপ্রসাদ বন্দ্যোপাধ্যায়
১২. সুধীন্দ্রনাথ দত্ত – অমিয় দেব
১৩. সুধীন্দ্রনাথ দত্ত : ভাববিশ্ব ও কাব্যবীক্ষা – তপোধীর ভট্টাচার্য
১৪. কবি শক্তি – সমীর সেনগুপ্ত

Or

DSE-1A: রবীন্দ্রনাথ

Credits 06

DSE1AT: রবীন্দ্রনাথ

Course contents:

থ. রবীন্দ্রনাথ

১. ডাকঘর- রবীন্দ্রনাথ ঠাকুর
২. জীবনস্মৃতি-রবীন্দ্রনাথ ঠাকুর

Suggested Readings:

১. ডাকঘর - সৌমিত্র বসু (সম্পাদিত)
২. রবীন্দ্রনাট্যে কবি রবীন্দ্রনাথ – শ্রুতিনাথ চক্রবর্তী
৩. রবীন্দ্রনাথ ও কাব্য পরিক্রমা – অজিত চক্রবর্তী
৪. বাংলা সাহিত্যে আত্মজীবনী - সোমেন্দ্রনাথ বসু

Skill Enhancement Course (SEC)

SEC-3: শৈলী, কাব্যশৈলী বিচার, গদ্যশৈলী ও নাট্যশৈলী বিচার

Credits 02

SEC3T: শৈলী, কাব্যশৈলী বিচার, গদ্যশৈলী ও নাট্যশৈলী বিচার

Course contents:

- ক. শৈলী, কাব্যশৈলী বিচার
- খ. গদ্যশৈলী ও নাট্যশৈলী বিচার

Generic Elective (GE)

GE- 1: শিশুসাহিত্য ও গোয়েন্দা কাহিনি

Credits 06

GE1T: শিশুসাহিত্য ও গোয়েন্দা কাহিনি

Course contents:

শিশুসাহিত্য ও গোয়েন্দা কাহিনি



ক. রাজকাহিনি- অবনীন্দ্রনাথ ঠাকুর  
খ. সে- রবীন্দ্রনাথ ঠাকুর

**Suggested Readings:**

১. অবনীন্দ্র-নন্দনতন্ত্র – সত্যজিৎ চৌধুরী
২. রবীন্দ্র ছোটগল্পের শিল্পরূপ – তপোব্রত ঘোষ
৩. রবীন্দ্রনাথের নির্বাচিত ছোটগল্প – অসিতকুমার মুখোপাধ্যায়
৪. রবীন্দ্রনাথের গল্প : বিশ্লেষণীপাঠ – সমরেশ মজুমদার
৫. রবীন্দ্রনাথের ছোটগল্প – প্রমথনাথ বিশী

Or

**GE-1: কাব্য**

**Credits 06**

**GE1T: কাব্য**

**Course contents:**

**কাব্য**

ক. চিত্রা- রবীন্দ্রনাথ ঠাকুর  
খ. পারাপার- অমিয় চক্রবর্তী

**Suggested Readings:**

১. রবীন্দ্র সাহিত্যের ভূমিকা - নীহাররঞ্জন রায়
২. রবীন্দ্র কাব্য পরিক্রমা - উপেন্দ্রনাথ ভট্টাচার্য
৩. রবিরশ্মি - চারুচন্দ্র বন্দ্যোপাধ্যায়
৪. কবি অমিয় চক্রবর্তী – সুমিতা চক্রবর্তী
৫. অমিয় চক্রবর্তীর পারাপার ও কবিমন – গোকুলানন্দ মিশ্র

# Vidyasagar University

## Curriculum for B.A (General) in Bengali [Choice Based Credit System]

### Semester-VI

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
DSE-1B		Any one from Discipline-1(Bengali) DSE1BT: উপন্যাস ও ছোটগল্প Or প্রবন্ধ ও ভ্রমণকাহিনি	Core Course	5	1	0	6	75
DSE-2B	TBD	Other Discipline ( Any one from Discipline-2)/TBD	Core Course	5	1	0	6	75
GE-2		GE2T: একাঙ্ক নাটক ও গোয়েন্দা কাহিনি Or প্রবন্ধ ও সাহিত্যের রূপবীতি-বিচার পদ্ধতি	Generic Elective	5	1	0	6	75
SEC-4		SEC4T: বিষয় ভিত্তিক আলোচনা ও আলোচনাপত্র উপস্থাপন	Skill Enhancement Course	1	1	0	2	50
<b>Semester Total</b>							<b>20</b>	<b>275</b>

L=Lecture, T=Tutorial, P=Practical, DSE= Discipline Specific Electives, GE= Generic Elective, SEC= Skill Enhancement Course, TBD = To be decided.



## Semester-VI

### Discipline Specific Elective (DSE)

**DSE-1B: উপন্যাস ও ছোটগল্প**

**Credits 06**

**DSE1BT: উপন্যাস ও ছোটগল্প**

**Course contents:**

**উপন্যাস ও ছোটগল্প**

- ক. কচিসংসদ- রাজশেখর বসু, মায়াকুরঙ্গী- শরদিন্দু বন্দ্যোপাধ্যায়, অভাগীর স্বর্গ- শরৎচন্দ্র চট্টোপাধ্যায়, বেদিনী- তারাশঙ্কর বন্দ্যোপাধ্যায়, ভিখারী সাহেব- প্রভাতকুমার মুখোপাধ্যায়।  
খ. রাধা – তারাশঙ্কর বন্দ্যোপাধ্যায়

**Suggested Readings:**

১. বাংলা সাহিত্যের ছোটগল্প ও গল্পকার – ভূদেব চৌধুরী
২. দুই বিশ্বযুদ্ধ মধ্যবর্তী বাংলা কথা সাহিত্য – গোপীকানাথ রায়চৌধুরী
৩. বাংলা ছোটগল্প : প্রসঙ্গ ও প্রকরণ – বীরেন্দ্র দত্ত
৪. গল্পচর্চা – উজ্জ্বলকুমার মজুমদার
৫. পরশুরামের গল্প : জীবনের ধূপছায়া - গীতিকা পণ্ডা
৬. কথাশিল্পী শরদিন্দু : মন ও শিল্প- প্রমীলা ভট্টাচার্য
৭. শরদিন্দু বন্দ্যোপাধ্যায় – নিতাই বসু
৮. ব্যোমকেশ শরদিন্দু : শরদিন্দুর ব্যোমকেশ – বিবেক সিংহ
৯. তারাশঙ্করের শিল্প মানস – নিতাই বসু
১০. তারাশঙ্কর অনুসন্ধান – ক্ষেত্র গুপ্ত
১১. তারাশঙ্কর অন্বেষা – সরোজ বন্দ্যোপাধ্যায়
১২. তারাশঙ্কর : দেশ-কাল – অলোক রায়
১৩. তারাশঙ্কর ও রাঢ় বাংলা – রঞ্জিতকুমার মুখোপাধ্যায়
১৪. তারাশঙ্কর : সময় ও সমাজ – আদিত্য মুখোপাধ্যায়
১৫. তারাশঙ্করের উপন্যাসে সমাজ চিন্তা – শেখর দাশ

**Or**

**DSE-1B: প্রবন্ধ ও ভ্রমণকাহিনি**

**Credits 06**

**DSE1BT: প্রবন্ধ ও ভ্রমণকাহিনি**

**Course contents:**

**প্রবন্ধ ও ভ্রমণকাহিনি**

- ক. চাচাকাহিনী ( নির্বাচিত)- সৈয়দ মুজতবা আলী  
খ. পালামৌ – সঞ্জীবচন্দ্র চট্টোপাধ্যায়

**Suggested Readings:**

১. বাংলা ভ্রমণ সাহিত্যে মুক্তচিন্তা – পার্থ চট্টোপাধ্যায়  
২. মুজতবা আলী জীবন ও সাহিত্য – স্বাভী ভট্টাচার্য  
৩. মজলিশী মুজতবা – কোরক পত্রিকা

**Skill Enhancement Course (SEC)**

**SEC-4: বিষয় ভিত্তিক আলোচনা ও আলোচনাপত্র উপস্থাপন**

**Credits 02**

**SEC4T: বিষয় ভিত্তিক আলোচনা ও আলোচনাপত্র উপস্থাপন**

**Course contents:**

**বিষয় ভিত্তিক আলোচনা ও আলোচনাপত্র উপস্থাপন**

- ক. প্রকল্প পত্ররচনা(Project writing)  
খ. উপস্থাপনা (Paper Presentation)

**Generic Electives (GE)**

**GE-2: একাক্ষ নাটক ও গোয়েন্দা কাহিনি**

**Credits 06**

**GE2T: একাক্ষ নাটক ও গোয়েন্দা কাহিনি**

**Course contents:**

## একাঙ্ক নাটক ও গোয়েন্দা কাহিনি

ক. নির্বাচিত চারটি একাঙ্ক নাটক

রাজপুরী - মন্মথ রায়

দেবী - প্রভাত কুমার মুখোপাধ্যায়

শিকাবাব - বনফুল

এক পশলা বৃষ্টি - ধনঞ্জয় বৈরাগী

খ. সজারুর কাঁটা - শরদিন্দু বন্দ্যোপাধ্যায়

### Suggested Readings:

১. একাঙ্ক নাটকের রূপ - রেখা(সম্পাদিত) - সরোজ মোহন মিত্র

২. একাঙ্ক নাটক প্রয়োগ ও বিচার - তপন ঘোষাল

৩. কথাশিল্পী শরদিন্দু : মন ও শিল্প- প্রমীলা ভট্টাচার্য

৪. শরদিন্দু বন্দ্যোপাধ্যায় - নিতাই বসু

৫. ব্যোমকেশ শরদিন্দু : শরদিন্দুর ব্যোমকেশ - বিবেক সিংহ

Or

GE-2: প্রবন্ধ ও সাহিত্যের রূপরীতি-বিচার পদ্ধতি

Credits 06

GE2T: প্রবন্ধ ও সাহিত্যের রূপরীতি-বিচার পদ্ধতি

### Course contents:

প্রবন্ধ ও সাহিত্যের রূপরীতি-বিচার পদ্ধতি

ক. নির্বাচিত প্রবন্ধ

বাবু- বঙ্কিমচন্দ্র চট্টোপাধ্যায়

সৌন্দর্যবোধ-রবীন্দ্রনাথ ঠাকুর

ভারতীয় সংস্কৃতির গোড়ার কথা- অমূল্যচরণ বিদ্যাভূষণ

বইপড়া-প্রমথ চৌধুরী

খ. সাহিত্যের রূপরীতি-বিচার পদ্ধতি

রোমান্টিসিজম, ক্লাসিসিজম, ট্র্যাজেডি, কমেডি, লিরিক, ওড, এলিজি, আঞ্চলিক উপন্যাস।

### Suggested Readings:



১. আধুনিক বাংলা প্রবন্ধ সাহিত্যের ধারা – অধীর দে
২. বাংলা গদ্যরীতির ইতিহাস – অরুণকুমার মুখোপাধ্যায়
৩. বঙ্কিমচন্দ্র : সৃজন ও বীক্ষণ – ভবতোষ চট্টোপাধ্যায়
৪. প্রমথ চৌধুরী – জীবেন্দ্র সিংহ রায়
৫. গদ্যচর্চার ইতিহাস ও প্রমথ চৌধুরী- সম্পা. লায়েক আলি খান ও প্রশান্তকুমার দাস
৬. সাহিত্যের রূপ-রীতি ও অন্যান্য প্রসঙ্গ - কুন্তল চট্টোপাধ্যায়
৭. বাংলা সাহিত্যের নানাদিক – শুদ্ধস্ব বসু
৮. বাংলা কাব্যে রূপ ও রীতি – ক্ষুদিরাম দাস
৯. সাহিত্যের রূপ শিল্প – অপূর্ব রায়
১০. সাহিত্য-সন্দর্শন – শ্রীশচন্দ্র দাশ
১১. A Glossary of Literary Terms – M.K. Abrams
১২. A History of Literary Criticism – Rafey Habib
১৩. A short history of literary criticism – Vernon Hall
১৪. Literary Criticism: A short history – William Kurtz Wimsatt
১৫. সাহিত্যের রূপ-রীতি – উজ্জ্বলকুমার মজুমদার
১৬. সাহিত্যের রূপভেদ : রূপরীতি – সত্যচরণ চট্টোপাধ্যায়
১৭. Literary Criticism: A short history – William k. Wimsatt, JR. Cleanth Brooks



Phone: 7908040652/7501133806

## SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014  
P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650  
[www.amdabadcollege.in](http://www.amdabadcollege.in) | Email: [sjmahavidyalaya@gmail.com](mailto:sjmahavidyalaya@gmail.com)

### 7.1.3 Integration of sustainability principles into the curriculum to foster a culture of environmental responsibility

#### SUBJECT: BOTANY

Programme	Course type	Course number	Course Title	Content relating to environment and sustainability
BSc General	Discipline Specific Core	DSC1A (CC1)	Biodiversity	All topics in the course
BSc General	Discipline Specific Core	DSC1B (CC4)	Plant ecology and taxonomy	Ecological factors, plant community, ecosystem.
BSc General	Skill Enhancement Course	SEC3	Floriculture	Nursery management, garden design, commercial floriculture
BSc General	Skill Enhancement Course	SEC4	Medicinal botany	Conservation of endangered and endemic plants, ethnobotany
BSc Honours	Generic Elective for Honours	GE1	Biodiversity	All topics in the course
BSc Honours	Generic Elective for Honours	GE2	Plant ecology and taxonomy	Ecological factors, plant community, ecosystem.



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# SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

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**Syllabi with issues relating to  
environment and sustainability  
identified above marked up  
(in bright pink)**

# VIDYASAGAR UNIVERSITY



## Curriculum for 3-Year BSc (General) in

## Botany

Under Choice Based Credit System (CBCS)  
[w.e.f 2018-2019]

**VIDYASAGAR UNIVERSITY**  
**B Sc (General) in Botany**  
[Choice Based Credit System]

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks			
							CA	ESE	TOTAL	
1	I	<b>SEMESTER-I</b>								
		Core-1 (DSC-1A)		Biodiversity ( Microbes, Algae, Fungi and Archegoniate) - <b>Practical</b>	6	4-0-4	15	60	75	
		Core-2 (DSC-2A)		Other Discipline/TBD	6	4-0-4/ 5-1-0	15	60	75	
		Core-3 (DSC-3A)		Other Discipline/TBD	6	4-0-4/ 5-1-0	15	60	75	
		AECC-1 (Elective)		English/MIL	2	1-1-0	10	40	50	
		<b>Semester - I : Total</b>				<b>20</b>				<b>275</b>
	<b>SEMESTER-II</b>									
	II	Core-4 (DSC-1B)		Plant Ecology and Taxonomy - <b>Practical</b>	6	4-0-4	15	60	75	
		Core-5 (DSC-2B)		Other Discipline/TBD	6	4-0-4/ 5-1-0	15	60	75	
		Core-6 (DSC-3B)		Other Discipline/TBD	6	4-0-4/ 5-1-0	15	60	75	
		AECC-2 (Elective)		Environmental Studies	4		20	80	100	
		<b>Semester - 2 : Total</b>				<b>22</b>				<b>325</b>



Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks		
							CA	ESE	TOTAL
2	III	<b>SEMESTER-III</b>							
		Core-7 (DSC-1C)		Plant Anatomy and Embryology - <b>Practical</b>	6	4-0-4	15	60	75
		Core-8 (DSC-2C)		Other Discipline/TBD	6	4-0-4/ 5-1-0	15	60	75
		Core-9 (DSC-3C)		Other Discipline/TBD	6	4-0-4/ 5-1-0	15	60	75
		SEC-1		SEC-1: Biofertilizers Or Nursery and Gardening	2	1-1-0	10	40	50
		<b>Semester - 3 : Total</b>			<b>20</b>				<b>275</b>
	IV	<b>SEMESTER-IV</b>							
		Core-10 (DSC-1D)		Plant Physiology and Metabolism - <b>Practical</b>	6	4-0-4	15	60	75
		Core-11 (DSC-2D)		Other Discipline/TBD	6	4-0-4/ 5-1-0	15	60	75
		Core-12 (DSC-3D)		Other Discipline/TBD	6	4-0-4/ 5-1-0	15	60	75
		SEC-2		SEC-2: Herbal Technology Or Mushroom Culture Technology	2	1-1-0	10	40	50
	<b>Semester - 4 : Total</b>			<b>20</b>				<b>275</b>	

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks			
3	V	<b>SEMESTER-V</b>						<b>CA</b>	<b>ESE</b>	<b>TOTAL</b>
		DSE-1A		Discipline-1(Botany)	6	4-0-4/ 5-1-0	15	60	75	
		DSE-2A		Other Discipline/TBD	6	4-0-4/ 5-1-0	15	60	75	
		DSE-3A		Other Discipline/TBD	6	4-0-4/ 5-1-0	15	60	75	
		SEC-3		SEC-3: Floriculture Or Ethnobotany	2	1-1-0	10	40	50	
				<b>Semester - 5 : Total</b>	<b>20</b>				<b>275</b>	
			<b>SEMESTER-VI</b>							
	VI	DSE-1B		Discipline-1(Botany)	6	4-0-4/ 5-1-0	15	60	75	
		DSE-2B		Other Discipline/TBD	6	4-0-4/ 5-1-0	15	60	75	
		DSE-3B		Other Discipline/TBD	6	4-0-4/ 5-1-0	15	60	75	
		SEC-4		SEC-4: Medicinal Botany Or Plant Diversity and Human Welfare Or Intellectual Property Rights	2	1-1-0	10	40	50	
				<b>Semester - 6 : Total</b>	<b>20</b>				<b>275</b>	
				<b>Total in all semester:</b>			<b>122</b>			<b>1700</b>

CC = Core Course , AECC = Ability Enhancement Compulsory Course , GE = Generic Elective , SEC = Skill Enhancement Course , DSE = Discipline Specific Elective , CA= Continuous Assessment , ESE= End Semester Examination , TBD=To be decided , CT = Core Theory, CP=Core Practical , L = Lecture, T = Tutorial , P = Practical , MIL = Modern Indian Language , ENV5 = Environmental Studies ,

## List of Core Courses and Electives

### Core Course (CC)

**DSC-1A: Biodiversity (Microbes, Algae, Fungi and Archegoniate)**  
**DSC-1B: Plant Ecology and Taxonomy**  
**DSC-1C: Plant Anatomy and Embryology**  
**DSC-1D: Plant Physiology and Metabolism**

### Discipline Specific Electives (DSE)

**DSE-1: Cell and Molecular Biology**  
**Or**  
**DSE-1: Economic Botany and Biotechnology**  
**Or**  
**DSE-1: Bioinformatics**

**DSE-2: Genetics and Plant Breeding**  
**Or**  
**DSE-2: Analytical Techniques in Plant Sciences**  
**Or**  
**DSE-2: Research Methodology**

### Skill Enhancement Course (SEC)

**SEC-1: Bio-fertilizers**  
**Or**  
**SEC-1: Nursery and Gardening**

**SEC-2: Herbal Technology**  
**Or**  
**SEC-2: Mushroom Culture Technology**

**SEC-3: Floriculture**  
**Or**  
**SEC-3: Ethnobotany**

**SEC-4: Medicinal Botany**  
**Or**  
**SEC-4: Plant Diversity and Human Welfare**  
**Or**  
**SEC-4: Intellectual Property Rights**

## Core Course (CC)

**DSC-1A(CC-1) : Biodiversity (Microbes, Algae, Fungi and Archegoniate)**

**Credits 06**

**DSC1AT(C1T) : Biodiversity (Microbes, Algae, Fungi and Archegoniate)**

**Credits 04**

### **Unit 1: Microbes**

Viruses – Discovery, general structure, replication (general account), DNA virus (T-phage); Lytic and lysogenic cycle, RNA virus (TMV); Economic importance; Bacteria – Discovery, General characteristics and cell structure; Reproduction – vegetative, asexual and recombination (conjugation, transformation and transduction); Economic importance.

### **Unit 2: Algae**

General characteristics; Ecology and distribution; Range of thallus organization and reproduction; Classification of algae; Morphology and life-cycles of the following: *Nostoc*, *Chlamydomonas*, *Oedogonium*, *Vaucheria*, *Fucus*, *Polysiphonia*. Economic importance of algae

### **Unit 3: Fungi**

Introduction - General characteristics, ecology and significance, range of thallus organization, cell wall composition, nutrition, reproduction and classification; True Fungi- General characteristics, ecology and significance, life cycle of *Rhizopus* (Zygomycota) *Penicillium*, *Alternaria* (Ascomycota), *Puccinia*, *Agaricus* (Basidiomycota); Symbiotic Associations-Lichens: General account, reproduction and significance; Mycorrhiza: ectomycorrhiza and endomycorrhiza and their significance

### **Unit 4: Introduction to Archegoniate**

Unifying features of archegoniate, Transition to land habit, Alternation of generations.

### **Unit 5: Bryophytes**

General characteristics, adaptations to land habit, Classification, Range of thallus organization. Classification (up to family), morphology, anatomy and reproduction of *Marchantia* and *Funaria*. (Developmental details not to be included). Ecology and economic importance of bryophytes with special mention of *Sphagnum*.

### **Unit 6: Pteridophytes**

General characteristics, classification, Early land plants (*Cooksonia* and *Rhynia*). Classification (up to family), morphology, anatomy and reproduction of *Selaginella*, *Equisetum* and *Pteris*. (Developmental details not to be included). Heterospory and seed habit, stelar evolution. Ecological and economical importance of Pteridophytes.

### **Unit 4: Gymnosperms**

General characteristics, classification. Classification (up to family), morphology, anatomy and reproduction of *Cycas* and *Pinus*. (Developmental details not to be included). Ecological and economical importance.

**DSC1P(C1P) : Biodiversity (Microbes, Algae, Fungi and Archegoniate(Practical))**



## List of Practical

Credits : 02

1. EMs/Models of viruses – T-Phage and TMV, Line drawing/Photograph of Lytic and Lysogenic Cycle.
2. Types of Bacteria from temporary/permanent slides/photographs; EM bacterium; Binary Fission; Conjugation; Structure of root nodule. Gram staining
3. Study of vegetative and reproductive structures of *Nostoc*, *Chlamydomonas* (electron micrographs), *Oedogonium*, *Vaucheria*, *Fucus*\* and *Polysiphonia* through temporary preparations and permanent slides. (\* *Fucus* - Specimen and permanent slides)
4. *Rhizopus* and *Penicillium*: Asexual stage from temporary mounts and sexual structures through permanent slides.
5. *Alternaria*: Specimens/photographs and tease mounts.
6. *Puccinia*: Herbarium specimens of Black Stem Rust of Wheat and infected Barberry leaves; section/tease mounts of spores on Wheat and permanent slides of both the hosts.
7. *Agaricus*: Specimens of button stage and full grown mushroom; Sectioning of gills of *Agaricus*.
8. Lichens: Study of growth forms of lichens (crustose, foliose and fruticose)
9. Mycorrhiza: ecto mycorrhiza and endo mycorrhiza (Photographs)
10. *Marchantia*- morphology of thallus, w.m. rhizoids and scales, v.s. thallus through gemma cup, w.m. gemmae (all temporary slides), v.s. antheridiophore, archegoniophore, l.s. sporophyte (all permanent slides).
11. *Funaria*- morphology, w.m. leaf, rhizoids, operculum, peristome, annulus, spores (temporary slides); permanent slides showing antheridial and archegonial heads, l.s. capsule and protonema.
12. *Selaginella* - morphology, w.m. leaf with ligule, t.s. stem, w.m. strobilus, w.m. microsporophyll and megasporophyll (temporary slides), l.s. strobilus (permanent slide).
13. *Equisetum* - morphology, t.s. internode, l.s. strobilus, t.s. strobilus, w.m. sporangiophore, w.m. spores (wet and dry)(temporary slides); t.s. rhizome (permanent slide).
14. *Pteris* - morphology, t.s. rachis, v.s. sporophyll, w.m. sporangium, w.m. spores (temporary slides), t.s. rhizome, w.m. prothallus with sex organs and young sporophyte (permanent slide).
15. *Cycas* - morphology (coralloid roots, bulbil, leaf), t.s. coralloid root, t.s. rachis, v.s. leaflet, v.s. microsporophyll, w.m. spores (temporary slides), l.s. ovule, t.s. root (permanent slide).
16. *Pinus* - morphology (long and dwarf shoots, w.m. dwarf shoot, male and female), w.m. dwarf shoot, t.s. needle, t.s. stem, , l.s./t.s. male cone, w.m. microsporophyll, w.m. microspores (temporary slides), l.s. female cone, t.l.s. & r.l.s. stem (permanent slide).

## Suggested Readings:

- Kumar, H.D. (1999). Introductory Phycology. Affiliated East-West. Press Pvt. Ltd. Delhi. 2<sup>nd</sup> edition.
- Tortora, G.J., Funke, B.R., Case, C.L. (2010). Microbiology: An Introduction, Pearson Benjamin Cummings, U.S.A. 10th edition.
- Sethi, I.K. and Walia, S.K. (2011). Text book of Fungi & Their Allies, MacMillan Publishers Pvt. Ltd., Delhi.



- Alexopoulos, C.J., Mims, C.W., Blackwell, M. (1996). Introductory Mycology, John Wiley and Sons (Asia), Singapore. 4th edition.
- Raven, P.H., Johnson, G.B., Losos, J.B., Singer, S.R., (2005). Biology. Tata McGraw Hill, Delhi, India.
- Vashishta, P.C., Sinha, A.K., Kumar, A., (2010). Pteridophyta, S. Chand. Delhi, India.
- Bhatnagar, S.P. and Moitra, A. (1996). Gymnosperms. New Age International (P) Ltd Publishers, New Delhi, India.
- Parihar, N.S. (1991). An introduction to Embryophyta. Vol. I. Bryophyta. Central Book Depot, Allahabad.

**DSC-1B(CC-2): Plant Ecology and Taxonomy**

**Credits 06**

**DSC1B(C2T): Plant Ecology and Taxonomy**

**Credits 04**

### **Unit 1: Introduction**

### **Unit 2: Ecological factors**

Soil: Origin, formation, composition, soil profile. Water: States of water in the environment, precipitation types. Light and temperature: Variation Optimal and limiting factors; Shelford law of tolerance. Adaptation of hydrophytes and xerophytes.

### **Unit 3: Plant communities**

Characters; Ecotone and edge effect; Succession; Processes and types.

### **Unit 4: Ecosystem**

Structure; energy flow trophic organisation; Food chains and food webs, Ecological pyramids production and productivity; Biogeochemical cycling; Cycling of carbon, nitrogen and Phosphorous

### **Unit 5: Phytogeography**

Principle biogeographical zones; Endemism

### **Unit 6 Introduction to plant taxonomy**

Identification, Classification, Nomenclature.

### **Unit 7: Identification**

Functions of Herbarium, important herbaria and botanical gardens of the world and India; Documentation: Flora, Keys: single access and multi-access

### **Unit 8: Taxonomic evidences from palynology, cytology, phytochemistry and molecular data.**

### **Unit 9: Taxonomic hierarchy**

Ranks, categories and taxonomic groups

### **Unit 10: Botanical nomenclature**

Principles and rules (ICN); ranks and names; binominal system, typification, author citation, valid publication, rejection of names, principle of priority and its limitations.

### Unit 11: Classification

Types of classification-artificial, natural and phylogenetic. Bentham and Hooker (upto series), Engler and Prantl (upto series).

### Unit 12: Biometrics, numerical taxonomy and cladistics

Characters; variations; OTUs, character weighting and coding; cluster analysis; phenograms, cladograms (definitions and differences).

### DSC1BP(C2P): Plant Ecology and Taxonomy(Practical)

Credits 02

#### Practical:

1. Study of instruments used to measure microclimatic variables: Soil thermometer, maximum and minimum thermometer, anemometer, psychrometer/hygrometer, rain gauge and lux meter.
2. Determination of pH, and analysis of two soil samples for carbonates, chlorides, nitrates, sulphates, organic matter and base deficiency by rapid field test.
3. Comparison of bulk density, porosity and rate of infiltration of water in soil of three habitats.
  - a. Study of morphological adaptations of hydrophytes and xerophytes (four each).
  - b. Study of biotic interactions of the following: Stem parasite (*Cuscuta*), Root parasite (Orobanche), Epiphytes, Predation (Insectivorous plants)
4. Determination of minimal quadrat size for the study of herbaceous vegetation in the college campus by species area curve method. (species to be listed)
5. Quantitative analysis of herbaceous vegetation in the college campus for frequency and comparison with Raunkiaer's frequency distribution law
6. Study of vegetative and floral characters of the following families (Description, V.S. flower, section of ovary, floral diagram/s, floral formula/e and systematic position according to Bentham & Hooker's system of classification): Brassicaceae - *Brassica*, *Alyssum* / *Iberis*; Asteraceae - *Sonchus/Launaea*, *Vernonia/Ageratum*, *Eclipta/Tridax*; Solanaceae - *Solanum nigrum*, *Withania*; Lamiaceae - *Salvia*, *Ocimum*; Liliaceae - *Asphodelus* / *Lilium* / *Allium*.
7. Mounting of a properly dried and pressed specimen of any wild plant with herbarium label (to be submitted in the record book).

#### Suggested Readings:

- Kormondy, E.J. (1996). Concepts of Ecology. Prentice Hall, U.S.A. 4th edition.
- Sharma, P.D. (2010) Ecology and Environment. Rastogi Publications, Meerut, India. 8<sup>th</sup> edition.
- Simpson, M.G. (2006). *Plant Systematics*. Elsevier Academic Press, San Diego, CA, U.S.A.
- Singh, G. (2012). *Plant Systematics: Theory and Practice*. Oxford & IBH Pvt. Ltd., New Delhi. 3rd edition.

### DSC-1C(CC-3) : Plant Anatomy and Embryology

Credits 06

### DSC 1CT(C3T) : Plant Anatomy and Embryology

Credits 04

### Unit 1: Meristematic and permanent tissues



Root and shoot apical meristems; Simple and complex tissues.

### **Unit 2: Organs**

Structure of dicot and monocot root stem and leaf.

### **Unit 3: Secondary Growth**

Vascular cambium – structure and function, seasonal activity. Secondary growth in root and stem, Wood (heartwood and sapwood).

### **Unit 4: Adaptive and protective systems**

Epidermis, cuticle, stomata; General account of adaptations in xerophytes and hydrophytes.

### **Unit 5: Structural organization of flower**

Structure of anther and pollen; Structure and types of ovules; Types of embryo sacs, organization and ultrastructure of mature embryo sac.

### **Unit 6: Pollination and fertilization**

Pollination mechanisms and adaptations; Double fertilization; Seed-structure appendages and dispersal mechanisms.

### **Unit 7: Embryo and endosperm**

Endosperm types, structure and functions; Dicot and monocot embryo; Embryo endosperm relationship.

### **Unit 8: Apomixis and polyembryony**

Definition, types and practical applications.

## **DSC1CP(C3P) : Plant Anatomy and Embryology(Practical)**

**Credits 02**

### **Practical**

1. Study of meristems through permanent slides and photographs.
2. Tissues (parenchyma, collenchyma and sclerenchyma); Macerated xylary elements, Phloem (Permanent slides, photographs)
3. Stem: Monocot: *Zea mays*; Dicot: *Helianthus*; Secondary: *Helianthus* (only Permanent slides).
4. Root: Monocot: *Zea mays*; Dicot: *Helianthus*; Secondary: *Helianthus* (only Permanent slides).
5. Leaf: Dicot and Monocot leaf (only Permanent slides).
6. Adaptive anatomy: Xerophyte (*Nerium* leaf); Hydrophyte (*Hydrilla* stem).
7. Structure of anther (young and mature), tapetum (amoeboid and secretory) (Permanent slides).
8. Types of ovules: anatropous, orthotropous, circinotropous, amphitropous/campylotropous.
9. Female gametophyte: *Polygonum* (monosporic) type of Embryo sac Development (Permanent slides/photographs).
10. Ultrastructure of mature egg apparatus cells through electron micrographs.
11. Pollination types and seed dispersal mechanisms (including appendages, aril, caruncle) (Photographs and specimens).
12. Dissection of embryo/endosperm from developing seeds.



13. Calculation of percentage of germinated pollen in a given medium.

**Suggested Readings:**

- Bhojwani, S.S. & Bhatnagar, S.P. (2011). Embryology of Angiosperms. Vikas Publication House Pvt. Ltd. New Delhi. 5th edition.
- Mauseth, J.D. (1988). Plant Anatomy. The Benjamin/Cummings Publisher, USA.

**DSC-1D(CC-4): Plant Physiology and Metabolism**

**Credits 06**

**DSC1DT(C4T): Plant Physiology and Metabolism**

**Credits 04**

**Unit 1: Plant-water relations**

Importance of water, water potential and its components; Transpiration and its significance; Factors affecting transpiration; Root pressure and guttation.

**Unit 2: Mineral nutrition**

Essential elements, macro and micronutrients; Criteria of essentiality of elements; Role of essential elements; Transport of ions across cell membrane, active and passive transport, carriers, channels and pumps.

**Unit 3: Translocation in phloem**

Composition of phloem sap, girdling experiment; Pressure flow model; Phloem loading and unloading.

**Unit 4: Photosynthesis**

Photosynthetic Pigments (Chl a, b, xanthophylls, carotene); Photosystem I and II, reaction center, antenna molecules; Electron transport and mechanism of ATP synthesis; C3, C4 and CAM pathways of carbon fixation; Photorespiration.

**Unit 5: Respiration**

Glycolysis, anaerobic respiration, TCA cycle; Oxidative phosphorylation, Glyoxylate, Oxidative Pentose Phosphate Pathway.

**Unit 6: Enzymes**

Structure and properties; Mechanism of enzyme catalysis and enzyme inhibition.

**Unit 7: Nitrogen metabolism**

Biological nitrogen fixation; Nitrate and ammonia assimilation.

**Unit 8: Plant growth regulators**

Discovery and physiological roles of auxins, gibberellins, cytokinins, ABA, ethylene.

**Unit 9: Plant response to light and temperature**

Photoperiodism (SDP, LDP, Day neutral plants); Phytochrome (discovery and structure), red and far red light responses on photomorphogenesis; Vernalization.

**DSC1DP(C4P): Plant Physiology and Metabolism (Practical)**

**Credits 02**

## Practical

1. Determination of osmotic potential of plant cell sap by plasmolytic method.
2. To study the effect of two environmental factors (light and wind) on transpiration by excised twig.
3. Calculation of stomatal index and stomatal frequency of a mesophyte and a xerophyte.
4. Demonstration of Hill reaction.
5. Demonstrate the activity of catalase and study the effect of pH and enzyme concentration.
6. To study the effect of light intensity and bicarbonate concentration on O<sub>2</sub> evolution in photosynthesis.
7. Comparison of the rate of respiration in any two parts of a plant.
8. Separation of amino acids by paper chromatography.

## Demonstration experiments (any four)

1. Bolting.
2. Effect of auxins on rooting.
3. Suction due to transpiration.
4. R.Q.
5. Respiration in roots.

## Suggested Readings:

- Taiz, L., Zeiger, E., (2010). Plant Physiology. Sinauer Associates Inc., U.S.A. 5th Edition.
- Hopkins, W.G., Huner, N.P., (2009). Introduction to Plant Physiology. John Wiley & Sons, U.S.A. 4th Edition.
- Bajracharya, D., (1999). Experiments in Plant Physiology- A Laboratory Manual. Narosa Publishing House, New Delhi.

## Discipline Specific Electives (DSE)

### DSE-1: Cell and Molecular Biology

Credits 06

### DSE1T: Cell and Molecular Biology

Credits 04

### Unit 1: Techniques in Biology

Principles of microscopy; Light Microscopy; Phase contrast microscopy; Fluorescence microscopy; Confocal microscopy; Sample Preparation for light microscopy; Electron microscopy (EM) - Scanning EM and Scanning Transmission EM (STEM); Sample preparation for electron microscopy; X-ray diffraction analysis.

### Unit 2: Cell as a unit of Life

The Cell Theory; Prokaryotic and eukaryotic cells; Cell size and shape; Eukaryotic Cell components.

### Unit 3: Cell Organelles

Mitochondria : Structure, marker enzymes, composition; Semiautonomous nature; Symbiont hypothesis; Proteins synthesized within mitochondria; mitochondrial DNA. Chloroplast Structure, marker enzymes, composition; semiautonomous nature, chloroplast

DNA, ER, Golgi body & Lysosomes : Structures and roles. Peroxisomes and Glyoxisomes :Structures, composition, functions in animals and plants and biogenesis. Nucleus :Nuclear Envelope- structure of nuclear pore complex; chromatin; molecular organization, DNA packaging in eukaryotes, euchromatin and heterochromatin, nucleolus and ribosome structure (brief).

#### **Unit 4: Cell Membrane and Cell Wall**

The functions of membranes; Models of membrane structure; The fluidity of membranes; Membrane proteins and their functions; Carbohydrates in the membrane; Faces of the membranes; Selective permeability of the membranes; Cell wall.

#### **Unit 5: Cell Cycle**

Overview of Cell cycle, Mitosis and Meiosis; Molecular controls.

#### **Unit 6: Genetic material**

DNA : Miescher to Watson and Crick- historic perspective, Griffith's and Avery's transformation experiments, Hershey-Chase bacteriophage experiment, DNA structure, types of DNA, types of genetic material.

DNA replication (Prokaryotes and eukaryotes): bidirectional replication, semi-conservative, semi discontinuous RNA priming,  $\theta$  (theta) mode of replication, replication of linear, ds-DNA, replicating the 5' end of linear chromosome including replication enzymes.

#### **Unit 7: Transcription (Prokaryotes and Eukaryotes)**

Types of structures of RNA (mRNA, tRNA, rRNA), RNA polymerase - various types; Translation (Prokaryotes and eukaryotes), genetic code.

#### **Unit 8: Regulation of gene expression**

Prokaryotes:Lac operon and Tryptophan operon ; and in Eukaryotes.

### **DSE1P: Cell and Molecular Biology ( Practical)**

**Credits 02**

#### **Practical**

1. To study prokaryotic cells (bacteria), viruses, eukaryotic cells with the help of light and electron micrographs.
2. Study of the photomicrographs of cell organelles
3. To study the structure of plant cell through temporary mounts.
4. To study the structure of animal cells by temporary mounts-squamous epithelial cell and nerve cell.
5. Preparation of temporary mounts of striated muscle fiber
6. To prepare temporary stained preparation of mitochondria from striated muscle cells /cheek epithelial cells using vital stain Janus green.
7. Study of mitosis and meiosis (temporary mounts and permanent slides).
8. Study the effect of temperature, organic solvent on semi permeable membrane.
9. Demonstration of dialysis of starch and simple sugar.
10. Study of plasmolysis and deplasmolysis on *Rhoeo* leaf.
11. Measure the cell size (either length or breadth/diameter) by micrometry.
12. Study the structure of nuclear pore complex by photograph (from Gerald Karp)

Introduction, Concept of Alignment, Multiple Sequence Alignment (MSA), MSA by CLUSTALW, Scoring Matrices, Percent Accepted Mutation (PAM), Blocks of Amino Acid Substitution Matrix (BLOSUM).

### **Unit 5: Molecular Phylogeny**

Methods of Phylogeny, Software for Phylogenetic Analyses, Consistency of Molecular Phylogenetic Prediction.

### **Unit 6: Applications of Bioinformatics**

Structural Bioinformatics in Drug Discovery, Quantitative structure-activity relationship (QSAR) techniques in Drug Design, Microbial genome applications, Crop improvement.

### **DSE1P: Bioinformatics (Practical)**

**Credits 02**

#### **Practical**

1. Nucleic acid and protein databases.
2. Sequence retrieval from databases.
3. Sequence alignment.
4. Sequence homology and Gene annotation.
5. Construction of phylogenetic tree.

#### **Suggested Readings:**

- Ghosh Z. and Bibekanand M. (2008) Bioinformatics: Principles and Applications. Oxford University Press.
- Pevsner J. (2009) Bioinformatics and Functional Genomics. II Edition. Wiley-Blackwell.
- Campbell A. M., Heyer L. J. (2006) Discovering Genomics, Proteomics and Bioinformatics. II Edition. Benjamin Cummings.

### **DSE-2: Genetics and Plant Breeding**

**Credits 06**

### **DSE2T: Genetics and Plant Breeding**

**Credits 04**

#### **Unit 1: Heredity**

1. Brief life history of Mendel
2. Terminologies
3. Laws of Inheritance
4. Modified Mendelian Ratios: 2:1- lethal Genes; 1:2:1- Co - dominance, incomplete dominance;- 9:7; 9:4:3; 13:3; 12:3:1.
5. Chi Square
6. Pedigree Analysis
7. Cytoplasmic Inheritance: Shell Coiling in Snail, Kappa particles in Paramecium, leaf variegation in *Mirabilis jalapa*, Male sterility.
8. Multiple allelism
9. Pleiotropism
10. Chromosome theory of Inheritance.

#### **Unit 2: Sex-determination and Sex-linked Inheritance**

### **Unit 3: Linkage and Crossing over**

Linkage: concept & history, complete & incomplete linkage, bridges experiment, coupling & repulsion, recombination frequency, linkage maps based on two and three factor crosses. Crossing over: concept and significance, cytological proof of crossing over.

### **Unit 4: Mutations and Chromosomal Aberrations**

Types of mutations, effects of physical & chemical mutagens. Numerical chromosomal changes: Euploidy, Polyploidy and Aneuploidy ; Structural chromosomal changes: Deletions, Duplications, Inversions & Translocations.

### **Unit 5: Plant Breeding**

Introduction and objectives. Breeding systems: modes of reproduction in crop plants. Important achievements and undesirable consequences of plant breeding.

### **Unit 6: Methods of crop improvement**

Introduction: Centres of origin and domestication of crop plants, plant genetic resources; Acclimatization; Selection methods: For self pollinated, cross pollinated and vegetatively propagated plants; Hybridization: For self, cross and vegetatively propagated plants – Procedure, advantages and limitations.

### **Unit 7: Quantitative inheritance**

Concept, mechanism, examples. Monogenic vs polygenic Inheritance.

### **Unit 8: Inbreeding depression and heterosis**

History, genetic basis of inbreeding depression and heterosis; Applications.

### **Unit 9: Crop improvement and breeding**

Role of mutations; Polyploidy; Distant hybridization and role of biotechnology in crop improvement.

## **DSE2P: Genetics and Plant Breeding(Practical)**

**Credits 02**

### **Practical**

1. Mendel's laws through seed ratios. Laboratory exercises in probability and chisquare.
2. Chromosome mapping using point test cross data.
3. Pedigree analysis for dominant and recessive autosomal and sex linked traits.
4. Incomplete dominance and gene interaction through seed ratios (9:7, 9:6:1, 13:3, 15:1, 12:3:1, 9:3:4).
5. Study of aneuploidy: Down's, Klinefelter's and Turner's syndromes through photographs.
6. Photographs/Permanent Slides showing Translocation Ring, Laggards and Inversion Bridge.
7. Hybridization techniques - Emasculation, Bagging (For demonstration only).
8. Induction of polyploidy conditions in plants (For demonstration only).

### **Suggested Readings:**

- Gardner EJ, Simmons MJ, Snustad DP (2008). Principles of Genetics. 8th Ed. Wiley- India.

- Snustad, D.P. and Simmons, M.J. (2010). Principles of Genetics, John Wiley & Sons Inc., India. 5th edition.
- Klug WS, Cummings MR, Spencer, C, Palladino, M (2011). Concepts of Genetics, 10th Ed., Benjamin Cummings
- Griffiths, A.J.F., Wessler, S.R., Carroll, S.B., Doebley, J. (2010). Introduction to Genetic Analysis. W. H. Freeman and Co., U.S.A. 10th edition.
- Pierce BA (2011) Genetics: A Conceptual Approach, 4th Ed., Macmillan Higher Education Learning
- Singh, B.D. (2005). Plant Breeding: Principles and Methods. Kalyani Publishers. 7<sup>th</sup> edition.
- Chaudhari, H.K. (1984). Elementary Principles of Plant Breeding. Oxford – IBH. 2<sup>nd</sup> edition.
- Acquaah, G. (2007). Principles of Plant Genetics & Breeding. Blackwell Publishing.

**Or**

**DSE-2: Analytical Techniques in Plant Sciences**

**Credits 06**

**DSE2T: Analytical Techniques in Plant Sciences**

**Credits 04**

**Unit 1: Imaging and related techniques**

Principles of microscopy; Light microscopy; Fluorescence microscopy; Confocal microscopy; Use of fluorochromes: (a) Flow cytometry (FACS); (b) Applications of fluorescence microscopy: Chromosome banding, FISH, chromosome painting; Transmission and Scanning electron microscopy – sample preparation for electron microscopy, cryofixation, negative staining, shadow casting, freeze fracture, freeze etching.

**Unit 2: Cell fractionation**

Centrifugation: Differential and density gradient centrifugation, sucrose density gradient, CsCl<sub>2</sub> gradient, analytical centrifugation, ultracentrifugation, marker enzymes.

**Unit 3: Radioisotopes**

Use in biological research, auto-radiography, pulse chase experiment.

**Unit 4: Spectrophotometry**

Principle and its application in biological research.

**Unit 5: Chromatography**

Principle; Paper chromatography; Column chromatography, TLC, GLC, HPLC, Ionexchange chromatography; Molecular sieve chromatography; Affinity chromatography.

**Unit 6: Characterization of proteins and nucleic acids**

Mass spectrometry; X-ray diffraction; X-ray crystallography; Characterization of proteins and nucleic acids; Electrophoresis: AGE, PAGE, SDS-PAGE

**Unit 7: Biostatistics**

## Skill Enhancement Course(SEC)

### **SEC-1: Bio-fertilizers**

**Credits 02**

#### **SEC1T: Bio-fertilizers**

**Unit 1:**General account about the microbes used as biofertilizer – Rhizobium – isolation, identification, mass multiplication, carrier based inoculants, Actinorrhizal symbiosis.

**Unit 2:***Azospirillum*: isolation and mass multiplication – carrier based inoculant, associative effect of different microorganisms. *Azotobacter*: classification, characteristics – crop response to *Azotobacter* inoculum, maintenance and mass multiplication.

**Unit 3:**Cyanobacteria (blue green algae), *Azolla* and *Anabaena azollae* association, nitrogen fixation, factors affecting growth, blue green algae and *Azolla* in rice cultivation.

**Unit 4:** Mycorrhizal association, types of mycorrhizal association, taxonomy, occurrence and distribution, phosphorus nutrition, growth and yield – colonization of VAM – isolation and inoculum production of VAM, and its influence on growth and yield of crop plants.

**Unit 5:**Organic farming – Green manuring and organic fertilizers, Recycling of biodegradable municipal, agricultural and Industrial wastes – biocompost making methods, types and method of vermicomposting – field Application.

#### **Suggested Readings:**

- Dubey, R.C., 2005 A Text book of Biotechnology S.Chand & Co, New Delhi.
- Kumaresan, V. 2005, Biotechnology, Saras Publications, New Delhi.
- John Jothi Prakash, E. 2004. Outlines of Plant Biotechnology. Emkay \_Publication, New Delhi.
- Sathe, T.V. 2004 Vermiculture and Organic Farming. Daya publishers.
- Subha Rao, N.S. 2000, Soil Microbiology, Oxford & IBH Publishers, New \_Delhi.
- Vayas,S.C, Vayas, S. and Modi, H.A. 1998 Bio-fertilizers and organic \_Farming Akta Prakashan, Nadiad

**Or**

### **SEC-1: Nursery and Gardening**

**Credits 02**

#### **SEC1T: Nursery and Gardening**

**Unit-1:**Nursery: definition, objectives and scope and building up of infrastructure fornursery, planning and seasonal activities - Planting - direct seeding and transplants.

**Unit-2:**Seed: Structure and types - Seed dormancy; causes and methods of breaking dormancy - Seed storage: Seed banks, factors affecting seed viability, genetic erosion – Seed production technology - seed testing and certification.



**Unit-3:** Vegetative propagation: air-layering, cutting, selection of cutting, collecting season, treatment of cutting, rooting medium and planting of cuttings - Hardening of plants – green house - mist chamber, shed root, shade house and glass house.

**Unit-4:** Gardening: definition, objectives and scope - different types of gardening - landscape and home gardening - parks and its components - plant materials and design - computer applications in landscaping - Gardening operations: soil laying, manuring, watering, management of pests and diseases and harvesting.

**Unit-5:** Sowing/raising of seeds and seedlings - Transplanting of seedlings - Study of cultivation of different vegetables: cabbage, brinjal, lady's finger, onion, garlic, tomatoes, and carrots - Storage and marketing procedures.

#### **Suggested Readings:**

- Bose T.K. & Mukherjee, D., 1972, Gardening in India, Oxford & IBH Publishing Co., New Delhi.
- Sandhu, M.K., 1989, Plant Propagation, Wile Eastern Ltd., Bangalore, Madras.
- Kumar, N., 1997, Introduction to Horticulture, Rajalakshmi Publications, Nagercoil.
- Edmond Musser & Andres, Fundamentals of Horticulture, McGraw Hill Book Co., New Delhi.
- Agrawal, P.K. 1993, Hand Book of Seed Technology, Dept. of Agriculture and Cooperation, National Seed Corporation Ltd., New Delhi.
- Janick Jules. 1979. Horticultural Science. (3rd Ed.), W.H. Freeman and Co., San Francisco, USA.

## **SEC-2: Herbal Technology**

**Credits 02**

### **SEC2T: Herbal Technology**

**Unit-1:** Herbal medicines: history and scope - definition of medical terms - role of medicinal plants in Siddha systems of medicine; cultivation - harvesting - processing - storage - marketing and utilization of medicinal plants.

**Unit-2:** Pharmacognosy - systematic position and medicinal uses of the following herbs in curing various ailments; Tulsi, Ginger, Fenugreek, Indian Goose berry and Ashoka.

**Unit-3:** Phytochemistry - active principles and methods of their testing - identification and utilization of the medicinal herbs; *Catharanthus roseus* (cardiotonic), *Withania somnifera* (drugs acting on nervous system), *Clerodendron phlomoides* (anti-rheumatic) and *Centella asiatica* (memory booster).

**Unit-4:** Analytical pharmacognosy: Drug adulteration - types, methods of drug evaluation - Biological testing of herbal drugs - Phytochemical screening tests for secondary metabolites (alkaloids, flavonoids, steroids, triterpenoids, phenolic compounds)

**Unit-5:** Medicinal plant banks micro propagation of important species (*Withania somnifera*, neem and tulsi- Herbal foods-future of pharmacognosy)



## SEC-3: Floriculture

Credits 02

### SEC3T Floriculture

**Unit-1: Introduction:** History of gardening; Importance and scope of floriculture and landscape gardening.

**Unit-2: Nursery Management and Routine Garden Operations:** Sexual and vegetative methods of propagation; Soil sterilization; Seed sowing; Pricking; Planting and transplanting; Shading; Stopping or pinching; Defoliation; Wintering; Mulching; Topiary; Role of plant growth regulators.

**Unit-3: Ornamental Plants:** Flowering annuals; Herbaceous perennials; Climbing vines; Shade and ornamental trees; Ornamental bulbous and foliage plants; Cacti and succulents; Palms and Cycads; Ferns and Selaginellas; Cultivation of plants in pots; Indoor gardening; Bonsai.

**Unit-4: Principles of Garden Designs:** English, Italian, French, Persian, Mughal and Japanese gardens; Features of a garden (Garden wall, Fencing, Steps, Hedge, Edging, Lawn, Flower beds, Shrubbery, Borders, Water garden. Some Famous gardens of India.

**Unit-5: Landscaping Places of Public Importance:** Landscaping highways and Educational institutions.

**Unit-6: Commercial Floriculture:** Factors affecting flower production; Production and packaging of cut flowers; Flower arrangements; Methods to prolong vase life; Cultivation of Important cut flowers (Carnation, Aster, Chrysanthemum, Dahlia, Gerbera, Gladiolous, Marigold, Rose, Liliun, Orchids).

**Unit-7: Diseases and Pests of Ornamental Plants.**

### Suggested Readings:

- Randhawa, G.S. and Mukhopadhyay, A. 1986. Floriculture in India. Allied Publishers.

Or

## SEC-3: Ethnobotany

Credits 02

### SEC3T: Ethnobotany

#### Unit-1: Ethnobotany

Introduction, concept, scope and objectives; Ethnobotany as an interdisciplinary science. The relevance of ethnobotany in the present context; Major and minor ethnic groups or Tribals of India, and their life styles. Plants used by the tribals: a) Food plants b) intoxicants and beverages c) Resins and oils and miscellaneous uses.

#### Unit-2: Methodology of Ethnobotanical studies

a) Field work b) Herbarium c) Ancient Literature d) Archaeological findings e) temples and sacred places.

#### Unit-3: Role of ethnobotany in modern Medicine



Medico-ethnobotanical sources in India; Significance of the following plants in ethnobotanical practices (along with their habitat and morphology) a) *Azadirachta indica* b) *Ocimum sanctum* c) *Vitex negundo*. d) *Gloriosa superba* e) *Tribulus terrestris* f) *Pongamia pinnata* g) *Cassia auriculata* h) *Indigofera tinctoria*. Role of ethnobotany in modern medicine with special example *Rauvolfia serpentina*, *Trichopus zeylanicus*, *Artemisia*, *Withania*.

Role of ethnic groups in conservation of plant genetic resources. Endangered taxa and forest management (participatory forest management).

#### **Unit-4: Ethnobotany and legal aspects**

Ethnobotany as a tool to protect interests of ethnic groups. Sharing of wealth concept with few examples from India. Biopiracy, Intellectual Property Rights and Traditional Knowledge.

#### **Suggested Readings:**

- S.K. Jain, Manual of Ethnobotany, Scientific Publishers, Jodhpur, 1995.
- S.K. Jain (ed.) Glimpses of Indian. Ethnobotany, Oxford and I B H, New Delhi – 1981
- S.K. Jain (ed.) 1989. Methods and approaches in ethnobotany. Society of ethnobotanists, Lucknow, India.
- S.K. Jain, 1990. Contributions of Indian ethnobotany. Scientific publishers, Jodhpur.
- Colton C.M. 1997. Ethnobotany – Principles and applications. John Wiley and sons – Chichester
- Rama Ro, N and A.N. Henry (1996). The Ethnobotany of Eastern Ghats in Andhra Pradesh, India. Botanical Survey of India. Howrah. 8) Rajiv K. Sinha – Ethnobotany The Renaissance of Traditional Herbal Medicine – INA –SHREE Publishers, Jaipur-1996\_9)

#### **SEC-4: Medicinal Botany**

**Credits 02**

#### **SEC4T: Medicinal Botany**

**Unit-1:** History, Scope and Importance of Medicinal Plants. Indigenous Medicinal Sciences; Definition and Scope-Ayurveda: History, origin, panchamahabhutas, saptadhatu and tridoshaconcepts, Rasayana, plants used in ayurvedic treatments, Siddha: Origin of Siddha medicinal systems, Basis of Siddha system, plants used in Siddha medicine. Unani: History, concept: Umoor-e- tabiya, tumors treatments/ therapy, polyherbal formulations.

**Unit-2:** Conservation of endangered and endemic medicinal plants. Definition: endemic and endangered medicinal plants, Red list criteria; In situ conservation: Biosphere reserves, sacred groves, National Parks; Ex situ conservation: Botanic Gardens, Ethnomedicinal plant Gardens. Propagation of Medicinal Plants: Objectives of the nursery, its classification, important components of a nursery, sowing, pricking, use of green house for nursery production, propagation through cuttings, layering, grafting and budding.

**Unit- 3:** Ethnobotany and Folk medicines. Definition; Ethnobotany in India: Methods to study ethnobotany; Applications of Ethnobotany: National interacts, Palaeo-ethnobotany. folk medicines of ethnobotany, ethnomedicine, ethnoecology, ethnic communities of

India. Application of natural products to certain diseases- Jaundice, cardiac, infertility, diabetics, Blood pressure and skin diseases.

### **Suggested Readings**

- Trivedi P C, 2006. Medicinal Plants: Ethnobotanical Approach, Agrobios, India.
- Purohit and Vyas, 2008. Medicinal Plant Cultivation: A Scientific Approach, 2nd edn. Agrobios, India.

**Or**

## **SEC-4: Plant Diversity and Human Welfare**

**Credits 02**

### **SEC4T: Plant Diversity and Human Welfare**

**Unit-1: Plant diversity and its scope** - Genetic diversity, Species diversity, Plant diversity at the ecosystem level, Agro biodiversity and cultivated plant taxa, wild taxa. Values and uses of Biodiversity: Ethical and aesthetic values, Precautionary principle, Methodologies for valuation, Uses of plants, Uses of microbes.

**Unit-2: Loss of Biodiversity:** Loss of genetic diversity, Loss of species diversity, Loss of ecosystem diversity, Loss of agro-biodiversity, Projected scenario for biodiversity loss,

Management of Plant Biodiversity: Organizations associated with biodiversity management-Methodology for execution-IUCN, UNEP, UNESCO, WWF, NBPGR; Biodiversity legislation and conservations, Biodiversity information management and communication.

**Unit-3: Conservation of Biodiversity:** Conservation of genetic diversity, species diversity and ecosystem diversity, *In situ* and *ex situ* conservation, Social approaches to conservation, Biodiversity awareness programmes, Sustainable development.

**Unit-4: Role of plants in relation to Human Welfare** a) Importance of forestry their utilization and commercial aspects b) Avenue trees, c) Ornamental plants of India. d) Alcoholic beverages through ages. Fruits and nuts: Important fruit crops their commercial importance. Wood and its uses.

### **Suggested Readings:**

- Krishnamurthy, K.V. (2004). An Advanced Text Book of Biodiversity – Principles and Practices. Oxford and IBH Publications Co. Pvt. Ltd. New Delhi

**Or**

## **SEC-4: Intellectual Property Rights**

**Credits 02**

### **SEC4T: Intellectual Property Rights**

#### **Unit-1: Introduction to Intellectual Property Right (IPR)**

Concept and kinds. Economic importance. IPR in India and world: Genesis and scope, some important examples. IPR and WTO (TRIPS, WIPO).

# VIDYASAGAR UNIVERSITY

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**Curriculum for 3 -Year B Sc (HONOURS)  
in  
Botany**

**Under Choice Based Credit System (CBCS)  
w.e.f 2017-2018**

# VIDYASAGAR UNIVERSITY

## B Sc (Honours) in Botany

[Choice Based Credit System]

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks				
							CA	ESE	TOTAL		
<b>Semester-I</b>											
1	I	Core-1		CT1: Algae and Microbiology	6	4-0-0	15	60	75		
				CP1: Algae and Microbiology-Lab		0-0-4					
		Core-2		CT2: Biomolecule and Cell Biology	6	4-0-0	15	60	75		
				CP2: Biomolecule and Cell Biology-Lab		0-0-4					
		GE-1		TBD	6	4/5	15	60	75		
				TBD		2/1					
		AECC-1		English/MIL	2	1-1-0	10	40	50		
		<b>Semester -I: total</b>					<b>20</b>			<b>275</b>	
		<b>Semester-II</b>									
			II	Core-3		CT3: Mycology and Phytopathology	6	4-0-0	15	60	75
	CP3: Mycology and Phytopathology -Lab				0-0-4						
Core-4				CT4: Archegoniate	6	4-0-0	15	60	75		
				CP4: Archegoniate-Lab		0-0-4					
GE-2				TBD	6	4/5	15	60	75		
				TBD		2/1					
AECC-2				ENVS	4		20	80	100		
<b>Semester-II : total</b>					<b>22</b>			<b>325</b>			

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks			
							CA	ESE	TOTAL	
2	<b>Semester-III</b>									
	III	Core-5		CT5: Morphology and Anatomy	6	4-0-0	15	60	75	
				CP5: Morphology and Anatomy - Lab		0-0-4				
		Core-6		CT6: Economic Botany	6	4-0-0	15	60	75	
				CP6: Economic Botany-Lab		0-0-4				
		Core-7		CT7: Genetics	6	4-0-0	15	60	75	
				CP7: Genetics -Lab		0-0-4				
		GE-3		TBD	6	4/5	15	60	75	
						2/1				
	SEC-1		TBD	2		10	40	50		
	<b>Semester – III : total</b>					<b>26</b>				<b>350</b>
	<b>Semester-IV</b>									
	IV	Core-8		CT8: Molecular Biology	6	4-0-0	15	60	75	
				CP8: Molecular Biology -Lab		0-0-4				
		Core-9		CT9: Plant Ecology and Phytogeography	6	4-0-0	15	60	75	
				CP9: Plant Ecology and Phytogeography -Lab		0-0-4				
		Core-10		CT10: Plant Systematics	6	4-0-0	15	60	75	
				CP10: Plant Systematics-Lab		0-0-4				
		GE-4		TBD	6	4/5	15	60	75	
						2/1				
		SEC-2		TBD	2		10	40	50	
		<b>Semester – IV : total</b>					<b>26</b>			

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks		
							CA	ESE	TOTAL
<b>3</b>	<b>V</b>	<b>Semester-V</b>							
		Core-11		CT11: Reproductive Biology Angiosperms	6	4-0-0	15	60	75
				CP11: Reproductive Biology Angiosperms -Lab		0-0-4			
		Core-12		CT12: Plant Physiology	6	4-0-0	15	60	75
				CP12: Plant Physiology -Lab		0-0-4			
		DSE-1		TBD	6	4-0-0	15	60	75
						0-0-4			
		DSE-2		TBD	6	4-0-0	15	60	75
						0-0-4			
		<b>Semester –V : total</b>					<b>24</b>		
	<b>Semester-VI</b>								
	<b>VI</b>	Core-13		CT13: Plant Metabolism	6	4-0-0	15	60	75
				CP13: Plant Metabolism -Lab		0-0-4			
		Core-14		CT14: Plant Biotechnology	6	4-0-0	15	60	75
				CP14: Plant Biotechnology-Lab		0-0-4			
		DSE-3		TBD	6	4-0-0	15	60	75
						0-0-4			
		DSE-4		TBD	6	4-0-0	15	60	75
						0-0-4			
		<b>Semester – VI : total</b>					<b>24</b>		
<b>Total in all semester:</b>					<b>142</b>			<b>1900</b>	

**CC** = Core Course , **AECC** = Ability Enhancement Compulsory Course , **GE** = Generic Elective , **SEC** = Skill Enhancement Course , **DSE** = Discipline Specific Elective , **CA**= Continuous Assessment , **ESE**= End Semester Examination , **TBD**=To be decided , **CT** = Core Theory, **CP**=Core Practical , **L** = Lecture, **T** = Tutorial ,**P** = Practical , **MIL** = Modern Indian Language , **ENVS** = Environmental Studies ,

### **List of Core Course (CC)**

- CC-1: Phycology and Microbiology
- CC-2: Bio-molecules and Cell Biology
- CC-3: Mycology and Phytopathology
- CC-4: Archegoniate
- CC-5: Anatomy of Angiosperms
- CC-6: Economic Botany
- CC-7: Genetics
- CC-8: Molecular Biology
- CC-9: Plant Ecology and Phytogeography
- CC-10: Plant Systematics
- CC-11: Reproductive Biology of Angiosperms
- CC-12: Plant Physiology
- CC-13: Plant Metabolism
- CC-14: Plant Biotechnology

### **Discipline Specific Electives (DSE)**

- DSE-1: Natural Resource Management
- Or
- DSE-1: Biostatistics
- DSE-2: Plant Breeding
- Or
- DSE-2: Stress Biology
- DSE-3: Industrial and Environmental Microbiology
- Or
- DSE-3: Bioinformatics
- DSE-4: Analytical Techniques in Plant Sciences
- Or
- DSE-4: Research Methodology

### **Skill Enhancement Course (SEC)**

- SEC-1: Biofertilizers
- Or
- SEC-1: Floriculture
  
- SEC-2: Medicinal Botany
- Or
- SEC-2: Mushroom Culture Technology

### **Generic Electives (GE)**

- GE-1: Biodiversity (Microbes, Algae, Fungi and Archegoniate)
- GE-2: Plant Ecology and Taxonomy
- GE-3: Economic Botany and Plant Biotechnology
- GE-4: Plant Anatomy and Embryology
- Or
- GE-4: Plant Physiology and Metabolism



**Unit 3:**

Storage and nutrition: Short-term storage (Refrigeration - upto 24 hours) Long term Storage (canning, pickels, papads), drying, storage in salt solutions. Nutrition - Proteins - amino acids, mineral elements nutrition - Carbohydrates, Crude fibre content - Vitamins.

**Unit 4:**

Food Preparation: Types of foods prepared from mushroom. Research Centres - National level and Regional level. Cost benefit ratio - Marketing in India and abroad, Export Value.

**Suggested Readings:**

- Marimuthu, T. Krishnamoorthy, A.S. Sivaprakasam, K. and Jayarajan. R (1991) Oyster Mushrooms, Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore.
- Swaminathan, M. (1990) Food and Nutrition. Bappco, The Bangalore Printing and Publishing Co. Ltd., No. 88, Mysore Road, Bangalore - 560018.
- Tewari, Pankaj Kapoor, S.C., (1988). Mushroom cultivation, Mittal Publications, Delhi.
- Nita Bahl (1984-1988) Hand book of Mushrooms, II Edition, Vol. I & Vol. II.

*Generic Elective (GE)*  
*[Interdisciplinary for other department]*

**GE-1: Biodiversity (Microbes, Algae, Fungi and Archegoniate)                      Credits 06**

**GE1T: Biodiversity (Microbes, Algae, Fungi and Archegoniate)                      Credits 04**

**Course Contents:****Unit 1: Microbes**

Viruses – Discovery, general structure, replication (general account), DNA virus (T-phage); Lytic and lysogenic cycle, RNA virus (TMV); Economic importance; Bacteria – Discovery, General characteristics and cell structure; Reproduction – vegetative, asexual and recombination (conjugation, transformation and transduction); Economic importance.

**Unit 2: Algae**

General characteristics; Ecology and distribution; Range of thallus organization and reproduction; Classification of algae; Morphology and life-cycles of the following: *Nostoc*, *Chlamydomonas*, *Oedogonium*, *Vaucheria*, *Fucus*, *Polysiphonia*. Economic importance of algae.

**Unit 3: Fungi**

Introduction- General characteristics, ecology and significance, range of thallus organization, cell wall composition, nutrition, reproduction and classification; True Fungi- General characteristics, ecology and significance, life cycle of *Rhizopus* (Zygomycota) *Penicillium*, *Alternaria* (Ascomycota), *Puccinia*, *Agaricus* (Basidiomycota); Symbiotic

Associations-Lichens:General account, reproduction and significance; Mycorrhiza: ectomycorrhiza and endomycorrhiza and their significance.

#### **Unit 4: Introduction to Archegoniate**

Unifying features of archegoniates, Transition to land habit, Alternation of generations.

#### **Unit 5: Bryophytes**

General characteristics, adaptations to land habit, Classification, Range of thallus organization. Classification (up to family), morphology, anatomy and reproduction of *Marchantia* and *Funaria*. (Developmental details not to be included). Ecology and economic importance of bryophytes with special mention of *Sphagnum*.

#### **Unit 6: Pteridophytes**

General characteristics, classification, Early land plants (*Cooksonia* and *Rhynia*). Classification (up to family), morphology, anatomy and reproduction of *Selaginella*, *Equisetum* and *Pteris*. (Developmental details not to be included). Heterospory and seed habit, stellar evolution. Ecological and economical importance of Pteridophytes.

#### **Unit 4: Gymnosperms**

General characteristics; Classification (up to family), morphology, anatomy and reproduction of *Cycas* and *Pinus* (Developmental details not to be included). Ecological and economical importance.

### **GE1P: Biodiversity (Microbes, Algae, Fungi and Archegoniate) (Practical) Credits 02**

#### **Practical:**

1. EMs/Models of viruses – T-Phage and TMV, Line drawing/Photograph of Lytic and Lysogenic Cycle.
1. Types of Bacteria from temporary/permanent slides/photographs; EM bacterium; Binary Fission; Conjugation; Structure of root nodule.
2. Gram staining.
3. Study of vegetative and reproductive structures of *Nostoc*, *Chlamydomonas* (electron micrographs), *Oedogonium*, *Vaucheria*, *Fucus*\* and *Polysiphonia* through temporary preparations and permanent slides. (\* *Fucus* - Specimen and permanent slides).
4. *Rhizopus* and *Penicillium*: Asexual stage from temporary mounts and sexual Structures through permanent slides.
5. *Alternaria*: Specimens/photographs and tease mounts.
6. *Puccinia*: Herbarium specimens of Black Stem Rust of Wheat and infected Barberry leaves; section/tease mounts of spores on Wheat and permanent slides of both the hosts.

7. *Agaricus*: Specimens of button stage and full grown mushroom; Sectioning of gills of *Agaricus*.
8. Lichens: Study of growth forms of lichens (crustose, foliose and fruticose)
9. Mycorrhiza: ecto mycorrhiza and endo mycorrhiza (Photographs)
10. *Marchantia*- morphology of thallus, w.m. rhizoids and scales, v.s. thallus through gemmacup, w.m. gemmae (all temporary slides), v.s. antheridiophore, archegoniophore, l.s. sporophyte (all permanent slides).
11. *Funaria*- morphology, w.m. leaf, rhizoids, operculum, peristome, annulus, spores (temporary slides); permanent slides showing antheridial and archegonial heads, l.s. capsule and protonema.
12. *Selaginella*- morphology, w.m. leaf with ligule, t.s. stem, w.m. strobilus, w.m. microsporophyll and megasporophyll (temporary slides), l.s. strobilus (permanent slide).
14. *Equisetum*- morphology, t.s. internode, l.s. strobilus, t.s. strobilus, w.m. sporangiophore, w.m. spores (wet and dry)(temporary slides); t.s. rhizome (permanent slide).
13. Pteris- morphology, t.s. rachis, v.s. sporophyll, w.m. sporangium, w.m. spores (temporary slides), t.s. rhizome, w.m. prothallus with sex organs and young sporophyte (permanent slide).
14. *Cycas*- morphology (coralloid roots, bulbil, leaf), t.s. coralloid root, t.s. rachis, v.s. leaflet, v.s. micro sporophyll, w.m. spores (temporary slides), l.s. ovule, t.s. root (permanent slide).
15. *Pinus*- morphology (long and dwarf shoots, w.m. dwarf shoot, male and female), w.m. dwarf shoot, t.s. needle, t.s. stem, l.s./t.s. male cone, w.m. microsporophyll, w.m. microspores (temporary slides), l.s. female cone, t.l.s. & r.l.s. stem (permanent slide).

### Suggested Readings:

- Kumar, H.D. (1999). Introductory Phycology. Affiliated East-West. Press Pvt. Ltd. Delhi. 2nd edition.
- Tortora, G.J., Funke, B.R., Case, C.L. (2010). Microbiology: An Introduction, Pearson Benjamin Cummings, U.S.A. 10th edition.
- Sethi, I.K. and Walia, S.K. (2011). Text book of Fungi & Their Allies, MacMillan Publishers Pvt. Ltd., Delhi.
- Alexopoulos, C.J., Mims, C.W., Blackwell, M. (1996). Introductory Mycology, John Wiley and Sons (Asia), Singapore. 4th edition.
- Raven, P.H., Johnson, G.B., Losos, J.B., Singer, S.R., (2005). Biology. Tata McGraw Hill, Delhi, India.
- Vashishta, P.C., Sinha, A.K., Kumar, A., (2010). Pteridophyta, S. Chand. Delhi, India.
- Bhatnagar, S.P. and Moitra, A. (1996). Gymnosperms. New Age International (P) Ltd Publishers, New Delhi, India.
- Parihar, N.S. (1991). An introduction to Embryophyta. Vol. I. Bryophyta. Central Book Depot, Allahabad.

**GE-2: Plant Ecology and Taxonomy**

**Credits 06**

**GE2T: Plant Ecology and Taxonomy**

**Credits 04**

**Course Contents:**

**Unit- 1: Introduction**

**Unit- 2: Ecological factors**

Soil: Origin, formation, composition, soil profile. Water: States of water in the environment, precipitation types. Light and temperature: Variation Optimal and limiting factors; Shelford law of tolerance. Adaptation of hydrophytes and xerophytes

**Unit -3: Plant communities**

Characters; Ecotone and edge effect; Succession; Processes and types

**Unit- 4: Ecosystem**

Structure; energy flow trophic organisation; Food chains and food webs, Ecological pyramids production and productivity; Bio-geochemical cycling; Cycling of carbon, nitrogen and Phosphorous

**Unit- 5: Phytogeography**

Principle of Biogeographical zone; Endemism.

**Unit- 6: Introduction to plant taxonomy**

Identification, Classification, Nomenclature.

**Unit- 7 : Identification**

Functions of Herbarium, important herbaria and botanical gardens of the world and India; Documentation: Flora, Keys: single access and multi-access

**Unit 8 : Taxonomic evidences from palynology, cytology, phytochemistry and molecular data.**

**Unit 9 : Taxonomic hierarchy**

Ranks, categories and taxonomic groups

**Unit 10: Botanical nomenclature**

Principles and rules (ICN); ranks and names; binominal system, typification, author citation, valid publication, rejection of names, principle of priority and its limitations.

**Unit 11: Classification**

Types of classification-artificial, natural and phylogenetic. Bentham and Hooker (upto series), Engler and Prantl (upto series).

### **Unit 12: Biometrics, numerical taxonomy and cladistics**

Characters; variations; OTUs, character weighting and coding; cluster analysis; phenograms, cladograms (definitions and differences).

#### **GE2P: Practical**

**Credit 02**

#### **Practical:**

1. Study of instruments used to measure microclimatic variables: Soil thermometer, maximum and minimum thermometer, anemometer, psychrometer/hygrometer, rain gauge and lux meter.
2. Determination of pH, and analysis of two soil samples for carbonates, chlorides, nitrates, sulphates, organic matter and base deficiency by rapid field test.
3. Comparison of bulk density, porosity and rate of infiltration of water in soil of three habitats.
4. (a) Study of morphological adaptations of hydrophytes and xerophytes (four each).  
(b) Study of biotic interactions of the following: Stem parasite (*Cuscuta*), Root parasite (*Orobancha*), Epiphytes, Predation (Insectivorous plants).
5. Determination of minimal quadrat size for the study of herbaceous vegetation in the college campus by species area curve method. (species to be listed)
6. Quantitative analysis of herbaceous vegetation in the college campus for frequency and comparison with Raunkiaer's frequency distribution law
7. Study of vegetative and floral characters of the following families (Description, V.S. flower, section of ovary, floral diagram/s, floral formula/e and systematic position according to Bentham & Hooker's system of classification): Brassicaceae - *Brassica*, *Alyssum* / *Iberis*; Asteraceae - *Sonchus*/*Launaea*, *Vernonia*/*Ageratum*, *Eclipta*/*Tridax*; Solanaceae - *Solanum nigrum*, *Withania*; Lamiaceae - *Salvia*, *Ocimum*; Liliaceae - *Asphodelus* / *Lilium* / *Allium*.
8. Mounting of a properly dried and pressed specimen of any wild plant with herbarium label (to be submitted in the record book).

#### **Suggested Readings:**

1. Kormondy, E.J. (1996). Concepts of Ecology. Prentice Hall, U.S.A. 4<sup>th</sup> edition.
2. Sharma, P.D. (2010) Ecology and Environment. Rastogi Publications, Meerut, India. 8<sup>th</sup> edition.
3. Simpson, M.G. (2006). *Plant Systematics*. Elsevier Academic Press, San Diego, CA, U.S.A.
4. Singh, G. (2012). *Plant Systematics: Theory and Practice*. Oxford & IBH Pvt. Ltd., New Delhi. 3<sup>rd</sup> edition

#### **GE-3: Economic Botany and Plant Biotechnology**

**Credits 06**

#### **GE3T: Economic Botany and Plant Biotechnology**

**Credits 04**

#### **Course Contents:**



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## SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014

P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650

[www.amdabadcollege.in](http://www.amdabadcollege.in) | Email: [sjmahavidyalaya@gmail.com](mailto:sjmahavidyalaya@gmail.com)

### 7.1.3 Integration of sustainability principles into the curriculum to foster a culture of environmental responsibility

#### SUBJECT: ENGLISH

Programme	Course type	Course number	Course Title	Content relating to environment and sustainability
BA Honours	Honours Core	CC4	British Romantic Literature (1798-1832)	The course as a whole reflects on the complex and changing relationship between humanity and nature, among various other issues.
BA Honours	Honours Core	CC11	Postcolonial Literatures	Mamang Dai's poetry makes way for discussions about humanity's relationship with the environment
BA Honours	Generic Elective for Honours	GE3	Contemporary India: Women and Empowerment	Women and environment
BA Honours	Generic Elective for Honours	GE4	Environment and Literature	Nature in Oriental and Western thought, deep ecology, third world environmentalism. Texts taught: GM Hopkins 'Binsey Poplars', Mahasweta Devi, <i>Pterodactyl</i> , Ruskin Bond, <i>Dust on the Mountain</i>



Phone: 7908040652/7501133806

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[www.amdabadcollege.in](http://www.amdabadcollege.in) | Email: [sjmahavidyalaya@gmail.com](mailto:sjmahavidyalaya@gmail.com)

**Syllabus with issues relating to  
environment and sustainability  
identified above marked up  
(in bright pink)**

# VIDYASAGAR UNIVERSITY



## Curriculum for 3-Year B.A. (HONOURS) in ENGLISH

Under Choice Based Credit System (CBCS)  
w.e.f 2018-2019



**VIDYASAGAR UNIVERSITY**  
**BA (Honours) in English**  
**[Choice Based Credit System]**

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks			
							CA	ESE	TOTAL	
<b>Semester-I</b>										
1	I	Core-1		<b>C1T:</b> British Poetry and Drama: Beginning to 14th Century and History of English Language	6	5-1-0	15	60	75	
		Core-2		<b>C2T:</b> British Poetry and Drama: Renaissance to 17th and 18th Centuries	6	5-1-0	15	60	75	
		GE-1		TBD	6	5-1-0/ 4-0-4	15	60	75	
		AECC-1 (elective)		English/MIL	2	1-1-0	10	40	50	
	<b>Semester –I: total</b>					<b>20</b>				<b>275</b>
	<b>Semester-II</b>									
	II	Core-3		<b>C3T:</b> British Literature (fiction and non-fiction): 18th Century	6	5-1-0	15	60	75	
		Core-4		<b>C4T:</b> British Romantic Literature (1798-1832)	6	5-1-0	15	60	75	
		GE-2		TBD	6	5-1-0/ 4-0-4	15	60	75	
		AECC-2 (elective)		ENVS	4		20	80	100	
<b>Semester-II : total</b>					<b>22</b>				<b>325</b>	

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks		
							CA	ESE	TOTAL
<b>Semester-III</b>									
2	III	Core-5		<b>C5T:</b> British Literature: 19th Century (1832-1900)	6	5-1-0	15	60	75
		Core-6		<b>C6T:</b> British Literature: The Early 20th Century	6	5-1-0	15	60	75
		Core-7		<b>C7T:</b> American Literature	6	5-1-0	15	60	75
		GE-3		TBD	6	5-1-0/ 4-0-4	15	60	75
		SEC-1		<b>SEC-1:</b> English Language Teaching <b>Or</b> Soft Skills <b>Or</b> Translation Studies	2	1-1-0	10	40	50
		<b>Semester – III : total</b>				<b>26</b>			
<b>Semester-IV</b>									
2	IV	Core-8		<b>C8T:</b> European Classical Literature	6	5-1-0	15	60	75
		Core-9		<b>C9T:</b> Modern European Drama	6	5-1-0	15	60	75
		Core-10		<b>C10T:</b> Popular Literature	6	5-1-0	15	60	75
		GE-4		TBD	6	5-1-0/ 4-0-4	15	60	75
		SEC-2		<b>SEC-2:</b> Creative Writing <b>Or</b> Business Communication <b>Or</b> Technical Writing	2	1-1-0	10	40	50
		<b>Semester – IV : total</b>				<b>26</b>			

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks			
							CA	ESE	TOTAL	
				<b>Semester-V</b>						
3	V	Core-11		<b>C11T:</b> Postcolonial Literatures	6	5-1-0	15	60	75	
		Core-12		<b>C12T:</b> Women's Writing	6	5-1-0	15	60	75	
		DSE-1		DSE-1: Nineteenth Century European Realism	6	5-1-0	15	60	75	
		DSE-2		DSE-2: World Literatures	6	5-1-0	15	60	75	
		<b>Semester - V : total</b>				<b>24</b>				<b>300</b>
		VI	<b>Semester-VI</b>							
	Core-13			<b>C13T:</b> Indian Classical Literature	6	5-1-0	15	60	75	
	Core-14			<b>C14T:</b> Indian Writing in English	6	5-1-0	15	60	75	
	DSE-3			DSE-3: Science Fiction and Detective Literature Or Literature and Cinema	6	5-1-0	15	60	75	
DSE-4			DSE - 4: Partition Literature Or Travel Writing	6	5-1-0	15	60	75		
		<b>Semester - VI : total</b>				<b>24</b>			<b>300</b>	
<b>Total in all semester:</b>					<b>142</b>				<b>1900</b>	

**CC** = Core Course , **AECC** = Ability Enhancement Compulsory Course , **GE** = Generic Elective , **SEC** = Skill Enhancement Course , **DSE** = Discipline Specific Elective , **CA**= Continuous Assessment , **ESE**= End Semester Examination , **TBD**=To be decided , **CT** = Core Theory, **CP**=Core Practical , **L** = Lecture, **T** = Tutorial , **P** = Practical , **MIL** = Modern Indian Language , **ENVS** = Environmental Studies ,

## List of Core Courses and Electives

### Core Course (CC)

- CC-1: British Poetry and Drama: Beginning to 14th Century and History of English Language
- CC-2: British Poetry and Drama: Renaissance to 17th and 18th Centuries
- CC-3: British Literature (fiction and non-fiction): 18th Century
- CC-4: British Romantic Literature (1798-1832)
- CC-5: British Literature: 19th Century (1832-1900)
- CC-6: British Literature: The Early 20th Century
- CC-7: American Literature
- CC-8: European Classical Literature
- CC-9: Modern European Drama
- CC-10: Popular Literature
- CC-11: Postcolonial Literatures
- CC-12: Women's Writing
- CC-13: Indian Classical Literature
- CC-14: Indian Writing in English

### Discipline Specific Electives (DSE)

- DSE-1: Nineteenth Century European Realism
- DSE-2: World Literatures
- DSE-3: Science Fiction and Detective Literature
- Or
- DSE-3: Literature and Cinema
- DSE-4: Partition Literature
- Or
- DSE-4: Travel Writing

### Skill Enhancement Course (SEC)

- SEC-1: English Language Teaching
- Or
- SEC-1: Soft Skills
- Or
- SEC-1: Translation Studies
- SEC-2: Creative Writing
- Or
- SEC-2: Business Communication
- Or
- SEC-2: Technical Writing

### Generic Electives (GE)

*[Interdisciplinary for other department]*

- GE-1: Academic Writing and Composition
- GE-2: Media and Communication Skills
- Or
- GE-2: Text and Performance
- GE-3: Language and Linguistics
- Or
- GE-3: Contemporary India: Women and Empowerment
- GE-4: Gender & Human Rights
- Or
- GE-4: Environment & Literature

## Core Courses (CC)

**CC-1: British Poetry and Drama: Beginning to 14th Century and History of English Language** **Credits 06**

**C1T: British Poetry and Drama: Beginning to 14th Century and History of English Language**

**Course Contents:**

**Group: A (History of Literature)**

- Old English poetry and prose
- Beowulf
- Chaucer: *The Wife of Bath's Prologue*

**Group: B (Philology)**

- Influences: Greek, Latin, Scandinavian, French

**Suggested Topics and Background Prose Readings for Class Presentations Topics:**

- Birth of English Literature and Language
- Advent of Christianity and its influence on English Literature
- Influence of Norman conquest and Black death
- Three phases of Chaucer

**Suggested Readings:**

- C.L.Wren: *The English Language*
- S.A.J. Bradley: *Anglo-Saxon Poetry*
- Greenfield & Calder: *A New Critical History of Old English Literature*
- Neville Coghill (ed.): *The Nun's Priest's Tale*
- Aditi Choudhury: *A History of English Literature* (Orient Blackswan)

**CC-2: British Poetry and Drama: Renaissance to 17th and 18th Centuries** **Credits 06**

**C2T: British Poetry and Drama: Renaissance to 17th and 18th Centuries**

**Course Contents:**

**Poetry:**

- Edmund Spenser: Sonnet LXXV "One day I wrote her name"
- William Shakespeare: Sonnet 130 "My mistress' eyes are nothing like the sun"
- John Donne: 'Good Morrow'
- Milton: *Paradise Lost Book-I*
- Pope: *Rape of the Lock* (3 cantos)

**Play:**

- Christopher Marlowe: *Edward II*
- William Shakespeare: *Macbeth*

**Literary terms related to poetry and drama:**



- Allegory, Ballad, Blank-Verse, Heroic Couplet, Bathos, Comedy, Dramatic Monologue, Elegy, Image, Ode, Carpe-diem, Soliloquy, Symbol, Tragedy, Catharsis, Hamartia, Three Unities, Anagnorisis, Antagonist, Chorus, Denouement, Comic-relief, Aside, Anti-Hero, Catastrophe

### **Suggested Topics and Background Prose Readings for Class Presentations Topics**

- Renaissance Humanism
- The Stage, Court and City
- Religious and Political Thought
- Ideas of Love and Marriage
- The Writer in Society

### **Suggested Readings:**

- Pico Della Mirandola, excerpts from the *Oration on the Dignity of Man*, in *The Portable Renaissance Reader*, ed. James Bruce Ross and Mary Martin McLaughlin (New York: Penguin Books, 1953) pp. 476–9.
- John Calvin, ‘Predestination and Free Will’, in *The Portable Renaissance Reader*, ed. James Bruce Ross and Mary Martin McLaughlin (New York: Penguin Books, 1953) pp. 704–11.
- Baldassare Castiglione, ‘Longing for Beauty’ and ‘Invocation of Love’, in Book 4 of *The Courtier*, ‘Love and Beauty’, tr. George Bull (Harmondsworth: Penguin, rpt. 1983) pp. 324–8, 330–5.
- Philip Sidney, *An Apology for Poetry*, ed. Forrest G. Robinson (Indianapolis: Bobbs-Merrill, 1970) pp. 13–18.

### **CC-3: British Literature (fiction and non-fiction): 18th Century**

**Credits 06**

### **CC3T: British Literature (fiction and non-fiction): 18th Century**

#### **Course Contents:**

##### **Play:**

- William Congreve: *The Way of the World*

##### **Prose:**

- Jonathan Swift: *Gulliver’s Travels* (Books III and IV)
- Addison and Steele: ‘Sir Roger at Church’
- Laurence Sterne: *The Life and Opinions of Tristram Shandy, Gentleman*

### **Suggested Topics and Background Prose Readings for Class Presentations Topics**

- The Enlightenment and Neoclassicism
- Restoration Comedy
- The Country and the City
- The Novel and the Periodical Press

### **Suggested Readings:**

- Jeremy Collier, *A Short View of the Immorality and Profaneness of the English Stage* (London: Routledge, 1996).



- Daniel Defoe, ‘The Complete English Tradesman’ (Letter XXII), ‘The Great Law of Subordination Considered’ (Letter IV), and ‘The Complete English Gentleman’, in *Literature and Social Order in Eighteenth-Century England*, ed. Stephen Copley (London: Croom Helm, 1984).
- Samuel Johnson, ‘Essay 156’, in *The Rambler, in Selected Writings: Samuel Johnson*, ed. Peter Martin (Cambridge, Mass.: Harvard University Press, 2009) pp.194–7; *Rasselas* Chapter 10; ‘Pope’s Intellectual Character: Pope and Dryden Compared’, from *The Life of Pope*, in *The Norton Anthology of English Literature*, vol. 1, ed. Stephen Greenblatt, 8th edn (New York: Norton, 2006) pp. 2693–4, 2774–7.

#### CC-4: British Romantic Literature (1798-1832)

Credits 06

#### CC4T: British Romantic Literature (1798-1832)

##### Course Contents:

##### Poetry:

- William Blake: ‘The Lamb’, ‘The Tyger’
- William Wordsworth: ‘Tintern Abbey’
- Samuel Taylor Coleridge: ‘Christabel’ Part-1
- Percy Bysshe Shelley: ‘Ozymandias’
- John Keats: ‘Ode to a Nightingale’

##### Novel:

- Mary Shelley: *Frankenstein*
- Jane Austen: *Pride and Prejudice*

##### Suggested Topics and Background Prose Readings for Class Presentations Topics

- Reason and Imagination
- Conceptions of Nature
- Literature and Revolution
- The Gothic
- The Romantic Lyric

##### Suggested Readings:

- William Wordsworth, ‘Preface to Lyrical Ballads’, in *Romantic Prose and Poetry*, ed. Harold Bloom and Lionel Trilling (New York: OUP, 1973) pp. 594–611.
- John Keats, ‘Letter to George and Thomas Keats, 21 December 1817’, and ‘Letter to Richard Woodhouse, 27 October, 1818’, in *Romantic Prose and Poetry*, ed. Harold Bloom and Lionel Trilling (New York: OUP, 1973) pp. 766–68, 777–8.
- Jean-Jacques Rousseau, ‘Preface’ to *Emile or Education*, tr. Allan Bloom (Harmondsworth: Penguin, 1991).
- Samuel Taylor Coleridge, *Biographia Literaria*, ed. George Watson (London: Everyman, 1993) chap. XIII, pp. 161–66.

**CC-5: British Literature: 19th Century (1832-1900)**

**Credits 06**

**CC5T: British Literature: 19th Century (1832-1900)**

**Course Contents:**

**Poetry:**

- Alfred Tennyson: ‘Ulysses’
- Robert Browning: ‘My Last Duchess’, ‘The Last Ride Together’
- Mathew Arnold: ‘Dover Beach’

**Novel:**

- Charles Dickens: *Hard Times*

**Suggested Topics and Background Prose Readings for Class Presentations Topics**

- Utilitarianism
- The 19th Century Novel
- Marriage and Sexuality
- The Writer and Society
- Faith and Doubt
- The Dramatic Monologue

**Suggested Readings:**

- Karl Marx and Friedrich Engels, ‘Mode of Production: The Basis of Social Life’, ‘The Social Nature of Consciousness’, and ‘Classes and Ideology’, in *A Reader in Marxist Philosophy*, ed. Howard Selsam and Harry Martel (New York: International Publishers, 1963) pp. 186–8, 190–1, 199–201.
- Charles Darwin, ‘Natural Selection and Sexual Selection’, in *The Descent of Man* in *The Norton Anthology of English Literature*, 8th edn, vol. 2, ed. Stephen Greenblatt (New York: Norton, 2006) pp. 1545–9.
- John Stuart Mill, *The Subjection of Women* in *Norton Anthology of English Literature*, 8th edn, vol.2, ed. Stephen Greenblatt (New York: Norton, 2006) chap. 1, pp. 1061–9.

**CC-6: British Literature: The Early 20th Century**

**Credits 06**

**C6T: British Literature: The Early 20th Century**

**Course Contents:**

**Poetry:**

- W.B. Yeats: ‘The Second Coming’, ‘The Wild Swans at Coole’
- T.S. Eliot ‘The Love Song of J. Alfred Prufrock’

**Fiction:**

- Joseph Conrad: *The Secret Sharer*
- Katherine Mansfield: ‘The Fly’

**Suggested Topics and Background Prose Readings for Class Presentations Topics**

- Modernism and non-European Cultures
- The Women’s Movement in the Early 20th Century





- Psychoanalysis and the Stream of Consciousness
- The Uses of Myth
- The Avant Garde

**Suggested Readings:**

- Sigmund Freud, ‘Theory of Dreams’, ‘Oedipus Complex’, and ‘The Structure of the Unconscious’, in *The Modern Tradition*, ed. Richard Ellman et. al. (Oxford: OUP, 1965) pp. 571, 578–80, 559–63.
- T.S. Eliot, ‘Tradition and the Individual Talent’, in *Norton Anthology of English Literature*, 8th edn, vol. 2, ed. Stephen Greenblatt (New York: Norton, 2006) pp. 2319–25.
- Raymond Williams, ‘Introduction’, in *The English Novel from Dickens to Lawrence* (London: Hogarth Press, 1984) pp. 9–27.
- Borris Ford, *The Pelican Guide to English Literature*, vol.8.

**CC-7: American Literature**

**Credits 06**

**C7T: American Literature**

**Course Contents:**

**Poetry:**

- Robert Frost: ‘The Road not Taken’
- Langston Hughes: ‘Harlem to be Answered’
- Walt Whitman: ‘O Captain, My Captain’

**Stories:**

- Edgar Allan Poe: ‘The Purloined Letter’

**Novel:**

- Mark Twain: *The Adventures of Tom Sawyer*

**Play:**

- Tennessee Williams: *A Streetcar Named Desire*

**Suggested Topics and Background Prose Readings for Class Presentations Topics**

- The American Dream
- Social Realism and the American Novel
- Folklore and the American Novel
- Black Women’s Writings
- Questions of Form in American Poetry

**Suggested Readings:**

- Hector St John Crevecoeur, ‘What is an American’, (Letter III) in *Letters from an American Farmer* (Harmondsworth: Penguin, 1982) pp. 66–105.
- Frederick Douglass, *A Narrative of the life of Frederick Douglass* (Harmondsworth: Penguin, 1982) chaps. 1–7, pp. 47–87.
- Henry David Thoreau, ‘Battle of the Ants’ excerpt from ‘Brute Neighbours’, in *Walden* (Oxford: OUP, 1997) chap. 12.

- Ralph Waldo Emerson, 'Self Reliance', in *The Selected Writings of Ralph Waldo Emerson*, ed. with a biographical introduction by Brooks Atkinson (New York: The Modern Library, 1964).
- Toni Morrison, 'Romancing the Shadow', in *Playing in the Dark: Whiteness and Literary Imagination* (London: Picador, 1993) pp. 29–39.

## CC-8: European Classical Literature

Credits 06

### C8T: European Classical Literature

#### Course Contents:

- Homer: *The Iliad*, tr. E.V. Rieu (Harmondsworth: Penguin, 1985) (Book I).
- Sophocles: *Oedipus the King*, tr. Robert Fagles in *Sophocles: The Three Theban Plays* (Harmondsworth: Penguin, 1984).
- Plautus: *Pot of Gold*, tr. E.F. Watling (Harmondsworth: Penguin, 1965).
- Ovid Selections from *Metamorphoses* 'Bacchus', (Book III), 'Pyramus and Thisbe' (Book IV), tr. Mary M. Innes (Harmondsworth: Penguin, 1975).

#### Suggested Topics and Background Prose Readings for Class Presentations Topics

- The Epic
- Comedy and Tragedy in Classical Drama
- The Athenian City State
- Catharsis and Mimesis
- Satire
- Literary Cultures in Augustan Rome

#### Suggested Readings:

- Aristotle, *Poetics*, translated with an introduction and notes by Malcolm Heath, (London: Penguin, 1996) chaps. 6–17, 23, 24, and 26.
- Plato, *The Republic*, Book X, tr. Desmond Lee (London: Penguin, 2007).
- Horace, *Ars Poetica*, tr. H. Rushton Fairclough, *Horace: Satires, Epistles and Ars Poetica* (Cambridge Mass.: Harvard University Press, 2005) pp. 451–73.

## CC-9: Modern European Drama

Credits 06

### C9T: Modern European Drama

#### Course Contents:

- Henrik Ibsen: *Ghosts*
- Bertolt Brecht: *The Good Woman of Szechuan*
- Samuel Beckett: *Waiting for Godot*

#### Suggested Topics and Background Prose Readings for Class Presentations

#### Topics

- Politics, Social Change and the Stage
- Text and Performance
- European Drama: Realism and Beyond

- Tragedy and Heroism in Modern European Drama
- The Theatre of the Absurd

#### **Suggested Readings:**

- Constantin Stanislavski, *An Actor Prepares*, chap. 8, 'Faith and the Sense of Truth', tr. Elizabeth Reynolds Hapgood (Harmondsworth: Penguin, 1967) sections 1, 2, 7, 8, 9, pp. 121–5, 137–46.
- Bertolt Brecht, 'The Street Scene', 'Theatre for Pleasure or Theatre for Instruction', and 'Dramatic Theatre vs Epic Theatre', in *Brecht on Theatre: The Development of an Aesthetic*, ed. and tr. John Willet (London: Methuen, 1992) pp. 68–76, 121–8.
- George Steiner, 'On Modern Tragedy', in *The Death of Tragedy* (London: Faber, 1995) pp. 303–24.

### **CC-10: Popular Literature**

**Credits 06**

#### **C10T: Popular Literature**

#### **Course Contents:**

- Lewis Carroll: *Through the Looking Glass*
- Agatha Christie: *The Murder of Roger Ackroyd*
- Shyam Selvadurai: *Funny Boy*
- Sukumar Ray: *AbolTabol* (Translated by Sukanta Chowdhuri)/Autobiographical Notes on Ambedkar (For the Visually Challenged students)

#### **Suggested Topics and Background Prose Readings for Class Presentations**

##### **Topics**

- Coming of Age
- The Canonical and the Popular
- Caste, Gender and Identity
- Ethics and Education in Children's Literature
- Sense and Nonsense
- The Graphic Novel

#### **Suggested Readings:**

- Chelva Kanaganayakam, 'Dancing in the Rarefied Air: Reading Contemporary Sri Lankan Literature' (*ARIEL*, Jan. 1998) rpt, Malashri Lal, Alamgir Hashmi, and Victor J. Ramraj, eds., *Post Independence Voices in South Asian Writings* (Delhi: Doaba Publications, 2001) pp. 51–6
- Sumathi Ramaswamy, 'Introduction', in *Beyond Appearances?: Visual Practices and Ideologies in Modern India* (Sage: Delhi, 2003) pp. xiii–xxix.
- Leslie Fiedler, 'Towards a Definition of Popular Literature', in *Super Culture: American Popular Culture and Europe*, ed. C.W.E. Bigsby (Ohio: Bowling Green University Press, 1975) pp. 29–38.
- Felicity Hughes, 'Children's Literature: Theory and Practice', *English Literary History*, vol. 45, 1978, pp. 542–61.

### **CC-11: Postcolonial Literatures**

**Credits 06**

## **C11T: Postcolonial Literatures**

### **Course Contents:**

#### **Poetry:**

- Pablo Neruda: 'Tonight I can Write' 'The Way Spain Was'
- Derek Walcott: 'A Far Cry from Africa' 'Names'
- Mamang Dai: 'Small Towns and the River' 'The Voice of the Mountain'

#### **Novel:**

- Chinua Achebe: *Things Fall Apart*

#### **Stories:**

- Bessie Head: 'The Collector of Treasures'
- Ama Ata Aidoo: 'The Girl who can'

### **Suggested Topics and Background Prose Readings for Class Presentations**

#### **Topics**

- De-colonization, Globalization and Literature
- Literature and Identity Politics
- Writing for the New World Audience
- Region, Race, and Gender
- Postcolonial Literatures and Questions of Form

#### **Suggested Readings:**

- Franz Fanon, 'The Negro and Language', in *Black Skin, White Masks*, tr. Charles Lam Markmann (London: Pluto Press, 2008) pp. 8–27.
- Ngũgĩ waThiong'o, 'The Language of African Literature', in *Decolonising the Mind* (London: James Curry, 1986) chap. 1, sections 4–6.
- Gabriel Garcia Marquez, the Nobel Prize Acceptance Speech, in *Gabriel Garcia Marquez: New Readings*, ed. Bernard McGuirk and Richard Cardwell (Cambridge: Cambridge University Press, 1987).

## **CC-12: Women's Writing**

**Credits 06**

## **C12T: Women's Writing**

### **Course Contents:**

#### **Poetry:**

- Emily Dickinson: 'I cannot live with you', 'I'm wife; I've finished that'
- Sylvia Plath: 'Daddy'
- Eunice De Souza: 'Advice to Women',

#### **Fiction:**

- Mahashweta Devi 'Draupadi', tr. Gayatri Chakravorty Spivak (Calcutta: Seagull, 2002)
- Toni Morrison: *Beloved*

### Non-Fiction:

- Baby Kamble: *Our Wretched Life*
- Rassundari Debi Excerpts from *Amar Jiban* in Susie Tharu and K. Lalita, eds., *Women's Writing in India*, vol. 1 (New Delhi: OUP, 1989) pp. 191–2.

### Suggested Topics and Background Prose Readings for Class Presentations

#### Topics

- The Confessional Mode in Women's Writing
- Sexual Politics
- Race, Caste and Gender
- Social Reform and Women's Rights

#### Suggested Readings:

- Virginia Woolf, *A Room of One's Own* (New York: Harcourt, 1957) chaps. 1 and 6.
- Simone de Beauvoir, 'Introduction', in *The Second Sex*, tr. Constance Borde and Shiela Malovany-Chevallier (London: Vintage, 2010) pp. 3–18.
- Kumkum Sangari and Sudesh Vaid, eds., 'Introduction', in *Recasting Women: Essays in Colonial History* (New Delhi: Kali for Women, 1989) pp. 1–25.
- Chandra Talapade Mohanty, 'Under Western Eyes: Feminist Scholarship and Colonial Discourses', in *Contemporary Postcolonial Theory: A Reader*, ed. Padmini Mongia (New York: Arnold, 1996) pp. 172–97.

### CC-13: Indian Classical Literature

Credits 06

### C13T: Indian Classical Literature

#### Course Contents:

- Kalidasa. *Abhijnana Shakuntalam*, tr. Chandra Rajan, in *Kalidasa: The Loom of Time* (New Delhi: Penguin, 1989).
- Vyasa. 'The Dicing' and 'The Sequel to Dicing', 'The Book of the Assembly Hall', 'The Temptation of Karna', Book V 'The Book of Effort', in *The Mahabharata*: tr. and ed. J.A.B. van Buitenen (Chicago: Brill, 1975) pp. 106–69.
- Sudraka. *Mrcchakatika*, tr. M.M. Ramachandra Kale (New Delhi: Motilal Banarasidass, 1962).

### Suggested Topics and Background Prose Readings for Class Presentations

#### Topics

- The Indian Epic Tradition: Themes and Recensions
- Classical Indian Drama: Theory and Practice
- Alankara and Rasa
- Dharma and the Heroic

#### Suggested Readings:



- Bharata, *Natyashastra*, tr. Manomohan Ghosh, vol. I, 2nd edn (Calcutta: Granthalaya, 1967) chap. 6: 'Sentiments', pp. 100–18.
- Iravati Karve, 'Draupadi', in *Yuganta: The End of an Epoch* (Hyderabad: Disha, 1991) pp. 79–105.
- J.A.B. Van Buitenen, 'Dharma and Moksa', in Roy W. Perrett, ed., *Indian Philosophy, vol. V, Theory of Value: A Collection of Readings* (New York: Garland, 2000) pp. 33–40.
- Vinay Dharwadkar, 'Orientalism and the Study of Indian Literature', in *Orientalism and the Postcolonial Predicament: Perspectives on South Asia*, ed. Carol A. Breckenridge and Peter van der Veer (New Delhi: OUP, 1994) pp. 158–95.

## CC-14: Indian Writing in English

Credits 06

### C14T: Indian Writing in English

#### Course Contents:

##### Poetry:

- R.K. Narayan: *Swami and Friends*
- H.L.V. Derozio: 'The Harp of India'
- Kamala Das: 'Introduction'
- Nissim Ezekiel: 'The Night of the Scorpion'

##### Fiction:

- Mulk Raj Anand: 'Two Lady Rams'
- Salman Rushdie: 'The Free Radio'

##### Drama:

- Girish Karnad: *Tughlaq*

#### Suggested Topics and Background Prose Readings for Class Presentations

##### Topics

- Indian English
- Indian English Literature and its Readership
- Themes and Contexts of the Indian English Novel
- The Aesthetics of Indian English Poetry
- Modernism in Indian English Literature

##### Suggested Readings:

- Raja Rao, Foreword to *Kanthapura* (New Delhi: OUP, 1989) pp. v–vi.
- Salman Rushdie, 'Commonwealth Literature does not exist', in *Imaginary Homelands* (London: Granta Books, 1991) pp. 61–70.
- Meenakshi Mukherjee, 'Divided by a Common Language', in *The Perishable Empire* (New Delhi: OUP, 2000) pp. 187–203.
- Bruce King, 'Introduction', in *Modern Indian Poetry in English* (New Delhi: OUP, 2nd edn, 2005) pp. 1–10.

### Discipline Specific Electives (DSE)



## DSE-1: Nineteenth Century European Realism

Credits 06

### DSE1T: Nineteenth Century European Realism

#### Course Contents:

- Fyodor Dostoyevsky: *Crime and Punishment*, tr. Jessie Coulson (London: Norton, 1989).
- Gustave Flaubert: *Madame Bovary*, tr. Geoffrey Wall (London: Penguin, 2002).

#### Suggested Topics and Background Prose Readings for Class Presentations

##### Topics

- History, Realism and the Novel Form
- Ethics and the Novel
- The Novel and its Readership in the 19th Century
- Politics and the Russian Novel: Slavophiles and Westernizers

##### Suggested Readings:

- Leo Tolstoy, 'Man as a creature of history in *War and Peace*', ed. Richard Ellmann et. al., *The Modern Tradition*, (Oxford: OUP, 1965) pp. 246–54.
- Honore de Balzac, 'Society as Historical Organism', from Preface to *The Human Comedy*, in *The Modern Tradition*, ed. Ellmann et. al (Oxford: OUP, 1965) pp. 265–67.
- Gustav Flaubert, 'Heroic honesty', Letter on *Madame Bovary*, in *The Modern Tradition*, ed. Richard Ellmann et. al. (Oxford: OUP, 1965) pp. 242–3.
- George Lukacs, 'Balzac and Stendhal', in *Studies in European Realism* (London, Merlin Press, 1972) pp. 65–85.

## DSE-2: World Literatures

Credits 06

### DSE2T: World Literatures

#### Course Contents:

- V.S. Naipaul: *Bend in the River* (London: Picador, 1979).
- Julio Cortazar: 'Blow-Up', in *Blow-Up and other Stories* (New York: Pantheon, 1985).
- Judith Wright: 'Bora Ring', in *Collected Poems* (Sydney: Angus & Robertson, 2002) p. 8.

#### Suggested Topics and Background Prose Readings for Class Presentations

##### Topics

- The Idea of World Literature
- Memory, Displacement and Diaspora
- Hybridity, Race and Culture
- Adult Reception of Children's Literature
- Literary Translation and the Circulation of Literary Texts
- Aesthetics and Politics in Poetry



**Suggested Readings:**

- Sarah Lawall, 'Preface' and 'Introduction', in *Reading World Literature: Theory, History, Practice*, ed. Sarah Lawall (Austin, Texas: University of Texas Press, 1994) pp. ix–xviii, 1–64.
- David Damrosch, *How to Read World Literature?* (Chichester: Wiley-Blackwell, 2009) pp. 1–64, 65–85.
- Franco Moretti, 'Conjectures on World Literature', *New Left Review*, vol.1 (2000), pp. 54–68.
- Theo D'haen et. al., eds., 'Introduction', in *World Literature: A Reader* (London: Routledge, 2012).

**DSE-3: Science Fiction and Detective Literature****Credits 06****DSE3T: Science Fiction and Detective Literature****Course Contents:**

- Wilkie Collins: *The Woman in White*
- Arthur Conan Doyle: *The Hound of the Baskervilles*

**Suggested Topics and Readings for Class Presentation Topics**

- Crime across the Media
- Constructions of Criminal Identity
- Cultural Stereotypes in Crime Fiction
- Crime Fiction and Cultural Nostalgia
- Crime Fiction and Ethics
- Crime and Censorship

**Suggested Readings:**

- J. Edmund Wilson, 'Who Cares Who Killed Roger Ackroyd?', *The New Yorker*, 20 June 1945.
- George Orwell, *Raffles and Miss Blandish*, available at: <[www.george-orwell.org/Raffles\\_and\\_Miss\\_Blandish/0.html](http://www.george-orwell.org/Raffles_and_Miss_Blandish/0.html)>
- W.H. Auden, *The Guilty Vicarage*, available at: <[harpers.org/archive/1948/05/the-guilty-vicarage/](http://harpers.org/archive/1948/05/the-guilty-vicarage/)>
- Raymond Chandler, 'The Simple Art of Murder', *Atlantic Monthly*, Dec. 1944, available at: <<http://www.en.utexas.edu/amlit/amlitprivate/scans/chandlerart.html>>

**OR****DSE-3: Literature and Cinema****Credits 06****DSE3T: Literature and Cinema****Course Contents:**

- William Shakespeare, *Romeo and Juliet*, and its adaptations: *Romeo & Juliet* (1968; dir. Franco Zeffirelli, Paramount); and *Romeo + Juliet* (1996; dir. Baz Luhrmann, 20th Century Fox).



- Bapsi Sidhwa, *Ice Candy Man* and its adaptation *Earth* (1998; dir. Deepa Mehta, Cracking the Earth Films Incorp.); and Amrita Pritam, *Pinjar: The Skeleton and Other Stories*, tr. Khushwant Singh (New Delhi: Tara Press, 2009) and its adaptation: *Pinjar* (2003; dir. C.P. Dwivedi, Lucky Star Entertainment).

## Suggested Topics and Background Prose Readings for Class Presentations

### Topics

- Theories of Adaptation
- Transformation and Transposition
- Hollywood and 'Bollywood'
- The 'Two Ways of Seeing'
- Adaptation as Interpretation

### Suggested Readings:

- Linda Hutcheon, 'On the Art of Adaptation', *Daedalus*, vol. 133, (2004).
- Thomas Leitch, 'Adaptation Studies at Crossroads', *Adaptation*, 2008, vol. 1, no. 1, pp. 63–77.
- Poonam Trivedi, 'Filmi Shakespeare', *Litfilm Quarterly*, vol. 35, issue 2, 2007.
- Tony Bennett and Janet Woollacott, 'Figures of Bond', in *Popular Fiction: Technology, Ideology, Production, Reading*, ed. Tony Bennet (London and New York: Routledge, 1990).

### Other films that may be used for class presentations:

- William Shakespeare: *Comedy of Errors*, *Macbeth*, and *Othello* and their adaptations: *Angeer* (dir. Gulzar, 1982), *Maqbool* (dir. Vishal Bhardwaj, 2003), *Omkara* (dir. Vishal Bhardwaj, 2006) respectively.
- Jane Austen: *Pride and Prejudice* and its adaptations: BBC TV mini-series (1995), Joe Wright (2005) and Gurinder Chadha's *Bride and Prejudice* (2004).
- *Rudaali* (dir. Kalpana Lajmi, 1993) and *Gangor* or 'Behind the Bodice' (dir. Italo Spinelli, 2010).
- Ruskin Bond: *Junoon* (dir. Shyam Benegal, 1979), *The Blue Umbrella* (dir. Vishal Bhardwaj, 2005), and *Saat Khoon Maaf* (dir. Vishal Bhardwaj, 2011).
- E.M. Forster, *Passage to India* and its adaptation dir. David Lean (1984).

### Note:

- a) For every unit, 4 hours are for the written text and 8 hours for its cinematic adaptation (Total: 12 hours)
- b) To introduce students to the issues and practices of cinematic adaptations, teachers may use the following critical material:
  1. Deborah Cartmell and Imelda Whelehan, eds., *The Cambridge Companion to Literature on Screen* (Cambridge: Cambridge University Press, 2007).
  2. John M. Desmond and Peter Hawkes, *Adaptation: Studying Film and Literature* (New York: McGraw-Hill, 2005).
  3. Linda Hutcheon, *A Theory of Adaptation* (New York: Routledge, 2006).
  4. J.G. Boyum, *Double Exposure* (Calcutta: Seagull, 1989).
  5. B. Mcfarlens, *Novel to Film: An Introduction to the Theory of Adaptation* (Clarendon University Press, 1996).

## DSE - 4: Partition Literature

Credits 06

### DSE4T: Partition Literature

#### Course Contents:

- Amitav Ghosh: *The Shadow Lines*.
- Dibyendu Palit: 'Alam's Own House', tr. Sarika Chaudhuri, *Bengal Partition Stories: An Unclosed Chapter*, ed. Bashabi Fraser (London: Anthem Press, 2008) pp. 453–72.
- Manik Bandhopadhyaya, 'The Final Solution', tr. Rani Ray, *Mapmaking: Partition Stories from Two Bengals*, ed. Debjani Sengupta (New Delhi: Srishti, 2003) pp. 23–39.
- Sa'adat Hasan Manto, 'Toba Tek Singh', in *Black Margins: Manto*, tr. M. Asaduddin (New Delhi: Katha, 2003) pp. 212–20.
- Jibananda Das, 'I Shall Return to This Bengal', tr. Sukanta Chaudhuri, in *Modern Indian Literature* (New Delhi: OUP, 2004) pp. 8–13.

#### Suggested Topics and Readings for Class Presentation Topics

- Colonialism, Nationalism, and the Partition
- Communalism and Violence
- Homelessness and Exile
- Women in the Partition

#### Background Readings and Screenings

- Ritu Menon and Kamla Bhasin, 'Introduction', in *Borders and Boundaries* (New Delhi: Kali for Women, 1998).
- Sukrita P. Kumar, *Narrating Partition* (Delhi: Indialog, 2004).
- Urvashi Butalia, *The Other Side of Silence: Voices from the Partition of India* (Delhi: Kali for Women, 2000).
- Sigmund Freud, 'Mourning and Melancholia', in *The Complete Psychological Works of Sigmund Freud*, tr. James Strachey (London: Hogarth Press, 1953) pp. 3041–53.

#### Films

*Garam Hawa* (dir. M.S. Sathyu, 1974).

*Khamosh Paani: Silent Waters* (dir. Sabiha Sumar, 2003).

*Subarnarekha* (dir. Ritwik Ghatak, 1965)

Or

## DSE - 4: Travel Writing

Credits 06

### DSE4T: Travel Writing

#### Course Contents:

- Ibn Batuta: 'The Court of Muhammad bin Tughlaq', Khuswant Singh's *City Improbable: Writings on Delhi*, Penguin Publisher

- Mark Twain: *The Innocent Abroad* (Chapter VII , VIII and IX) (Wordsworth Classic Edition)
- William Dalrymple: *City of Djinns* (Prologue, Chapters I and II) Penguin Books
- Rahul Sankrityayan: *From Volga to Ganga* (Translation by Victor Kierman) (Section I to Section II) Pilgrims Publishing

### **Suggested Topics and Background Prose Readings for Class Presentations**

#### **Topics:**

- Travel Writing and Ethnography
- Gender and Travel
- Globalization and Travel
- Travel and Religion
- Orientalism and Travel

#### **Suggested Readings:**

- Susan Bassnett, ‘Travel Writing and Gender’, in *Cambridge Companion to Travel Writing*, ed. Peter Hulme and Tim Young (Cambridge: CUP,2002) pp, 225-241
- Tabish Khair, ‘An Interview with William Dalrymple and Pankaj Mishra’ in *Postcolonial Travel Writings: Critical Explorations*, ed. Justin D Edwards and Rune Graulund (New York: Palgrave Macmillan, 2011), 173-184
- Casey Balton, ‘Narrating Self and Other: A Historical View’, in *Travel Writing: The Self and The Other* (Routledge, 2012), pp.1-29
- Sachidananda Mohanty, ‘Introduction: Beyond the Imperial Eyes’ in *Travel Writing and Empire* (New Delhi: Katha, 2004) pp. ix –xx.

### *Skill Enhancement Courses (SEC)*

#### **SEC-1: English Language Teaching**

**Credits 02**

#### **SEC-1: English Language Teaching**

#### **Course Contents:**

- Knowing the Learner
- Structures of English Language
- Methods of Teaching English Language and Literature
- Materials for Language Teaching
- Assessing Language Skills
- Using Technology in Language Teaching

#### **Suggested Readings:**

- Penny Ur, *A Course in Language Teaching: Practice and Theory* (Cambridge: CUP, 1996).
- Marianne Celce-Murcia, Donna M. Brinton, and Marguerite Ann Snow, *Teaching English as a Second or Foreign Language* (Delhi: Cengage Learning, 4th edn, 2014).

- Adrian Doff, *Teach English: A Training Course For Teachers (Teacher's Workbook)* (Cambridge: CUP, 1988).
- *Business English* (New Delhi: Pearson, 2008).
- R.K. Bansal and J.B. Harrison, *Spoken English: A Manual of Speech and Phonetics* (New Delhi: Orient BlackSwan, 4th edn, 2013).
- Mohammad Aslam, *Teaching of English* (New Delhi: CUP, 2nd edn, 2009).

**Or**

**SEC-1: Soft Skills**

**Credits 02**

**SEC1T: Soft Skills**

**Course Contents:**

What is soft skill? Teamwork, Adaptability, Leadership, Problem solving

Development of Soft skills: Precis; Comprehension; Essays.

**Suggested Readings:**

- *English and Soft Skills*. S.P. Dhanavel. Orient BlackSwan
- *English for Students of Commerce: Precis, Composition, Essays, Poems* eds. Kaushik, et al.

**Or**

**SEC-1: Translation Studies**

**Credits 02**

**SEC1T: Translation Studies**

**Course Contents:**

1. Introducing Translation: a brief history and significance of translation in a multi linguistic and multicultural society like India.
2. Exercises in different Types / modes of translation, such as:
  - a) Semantic / Literal translation
  - b) Free / sense/ literary translation
  - c) Functional / communicative translation
3.
  - a) Introducing basic concepts and terms used in Translation Studies through relevant tasks, for example: Equivalence, Language variety, Dialect, Idiolect, Register, Style, Mode, Code mixing / Switching.
  - b) Translation in Practice.

**Resources for Practice:**

Dictionaries  
Encyclopedias  
Thesauri  
Glossaries  
Software of translation

### **Suggested Readings:**

- Baker, Mona, *In Other Words: A Coursebook on Translation*, Routledge, (Useful exercises for practical translation and training)
- ----- (Ed.) *Routledge Encyclopedia of Translation Studies*. London and New York: Routledge, 2001. (Readable entries on concepts and terms) Sherry Simon, *Gender in translation: Cultural Identity and the Politics of Transmission*. New York: Routledge,
- Catford, I.C. *A Linguistic Theory of Translation*. London: OUP, 1965. Frishberg, Nancy J. *Interpreting: An Introduction*. Registry of Interpreters,.
- Gargesh, Ravinder and Krishna Kumar Goswami. (Eds.). *Translation and Interpreting: Reader and Workbook*. New Delhi: Orient Longman,.
- House, Juliana. *A Model for Translation Quality Assessment*. Tubingen: Gunter Narr,
- Lakshmi, H. *Problems of Translation*. Hyderabad: Booklings Corporation,.
- Newmark, Peter. *A Textbook of Translation*. London: Prentice Hall,
- Nida, E.A. and C.R. Taber. *The Theory and Practice of Translation*. Leiden: E.J. Brill,
- Toury, Gideon. *Translation Across Cultures*. New Delhi : Bahri Publications Private Limited,

### **SEC-2: Creative Writing**

**Credits 02**

#### **SEC2T: Creative Writing**

#### **Course Contents:**

##### **Unit 1:**

What is Creative Writing?

##### **Unit 2:**

The Art and Craft of Writing

##### **Unit 3:**

Modes of creative Writing

##### **Unit 4:**

Writing for the Media

##### **Unit 5:**

Preparing for Publication

#### **Suggested Readings:**

- Creative writing: A Beginner's Manual by Anjana Neira Dev and Others, Published by Pearson, Delhi.

**Or**

### **SEC-2: Business Communication**

**Credits 02**

#### **SEC2T: Business Communication**

#### **Course Contents:**



- Introduction to the essentials of Business Communication: Theory and practice
- Writing a project report
- Writing reports on field work/visits to industries, business concerns etc. /business negotiations.
- Summarizing annual report of companies
- E-correspondence
- Spoken English for business communication (Viva for internal assessment)

#### **Suggested Readings:**

- Scot, O.; Contemporary *Business Communication*. Biztantra, New Delhi.
- Lesikar, R.V. & Flatley, M.E.; *Basic Business Communication Skills for Empowering the Internet Generation*, Tata McGraw Hill Publishing Company Ltd. New Delhi.
- Ludlow, R. & Panton, F.; *The Essence of Effective Communications*, Prentice Hall of India Pvt. Ltd., New Delhi.
- R. C. Bhatia, *Business Communication*, Ane Books Pvt Ltd, New Delhi

**Or**

**SEC-2: Technical Writing**

**Credits 02**

**SEC2T: Technical Writing**

#### **Course Contents:**

1. Communication: Language and communication, distinct features of writing.
2. Writing Skills; Selection of topic, thesis statement, developing the thesis introductory, developmental, transitional and concluding paragraphs, linguistic unity, coherence and cohesion, descriptive, narrative, expository and argumentative writing.
3. Technical Writing: Scientific and technical subjects; formal and informal writings; formal writings/reports, handbooks, manuals, letters, memorandum, notices, agenda, minutes; common errors to be avoided.

#### **Suggested Readings:**

- M. Frank. Writing as thinking: *A guided process approach*, Englewood Cliffs, Prentice Hall Regents.
- L. Hamp-Lyons and B. Heasley: *Study Writing; A course in written English*. For academic and professional purposes, Cambridge Univ. Press.
- R. Quirk, S. Greenbaum, G. Leech and J. Svartik: *A comprehensive grammar of the English language*, Longman, London.
- Daniel G. Riordan & Steven A. Panley: *“Technical Report Writing Today”* - Biztantra.
- Daniel G. Riordan, Steven E. Pauley, Biztantra: *Technical Report Writing Today*, 8th Edition

**Generic Elective (GE)**  
**[Interdisciplinary for other department]**

## **GE- 1: Academic Writing and Composition**

**Credits 06**

### **GE1T: Academic Writing and Composition**

#### **Course Contents:**

- Introduction to the Writing Process
- Introduction to the Conventions of Academic Writing
- Writing in one's own words: Summarizing and Paraphrasing
- Critical Thinking: Syntheses, Analyses, and Evaluation
- Structuring an Argument: Introduction, Interjection, and Conclusion
- Citing Resources; Editing, Book and Media Review

#### **Suggested Readings:**

- Liz Hamp-Lyons and Ben Heasley, *Study writing: A Course in Writing Skills for Academic Purposes* (Cambridge: CUP, 2006).
- Renu Gupta, *A Course in Academic Writing* (New Delhi: Orient BlackSwan, 2010).
- Ilona Leki, *Academic Writing: Exploring Processes and Strategies* (New York: CUP, 2nd edn, 1998).
- Gerald Graff and Cathy Birkenstein, *They Say/I Say: The Moves That Matter in Academic Writing* (New York: Norton, 2009).

## **GE- 2: Media and Communication Skills**

**Credits 06**

### **GE2T: Media and Communication Skills**

#### **Course Contents:**

#### **1. Introduction to Mass Communication**

1. Mass Communication and Globalization
2. Forms of Mass Communication

Topics for Student Presentations:

- a. Case studies on current issues Indian journalism
- b. Performing street plays
- c. Writing pamphlets and posters, etc.

#### **2. Advertisement**

1. Types of advertisements
2. Advertising ethics
3. How to create advertisements/storyboards

Topics for Student Presentations:

- a. Creating an advertisement/visualization
- b. Enacting an advertisement in a group
- c. Creating jingles and taglines

#### **3. Media Writing**

1. Scriptwriting for TV and Radio
2. Writing News Reports and Editorials
3. Editing for Print and Online Media

Topics for Student Presentations:



- a. Script writing for a TV news/panel discussion/radio programme / hosting radio programmes on community radio
- b. Writing news reports/book reviews/film reviews/TV program reviews/interviews
- c. Editing articles
- d. Writing an editorial on a topical subject

#### **4. Introduction to Cyber Media and Social Media**

1. Types of Social Media
2. The Impact of Social Media
3. Introduction to Cyber Media

**Or**

**GE-2: Text and Performance**

**Credits 06**

**GE2T: Text and Performance**

#### **Course Contents:**

##### **1. Introduction**

1. Introduction to theories of Performance
2. Historical overview of Western and Indian theatre
3. Forms and Periods: Classical, Contemporary, Stylized, Naturalist

Topics for Student Presentations:

- a. Perspectives on theatre and performance
- b. Historical development of theatrical forms
- c. Folk traditions

##### **2. Theatrical Forms and Practices**

1. Types of theatre, semiotics of performative spaces, e.g. proscenium 'in the round', amphitheatre, open-air, etc.
2. Voice, speech: body movement, gestures and techniques (traditional and contemporary), floor exercises: improvisation/characterization

Topics for Student Presentations:

- a. On the different types of performative space in practice
- b. Poetry reading, elocution, expressive gestures, and choreographed movement

##### **3. Theories of Drama**

1. Theories and demonstrations of acting: Stanislavsky, Brecht
2. Bharata

Topics for Student Presentations:

- a. Acting short solo/ group performances followed by discussion and analysis with application of theoretical perspectives

##### **4. Theatrical Production**

1. Direction, production, stage props, costume, lighting, backstage support.
2. Recording/archiving performance/case study of production/performance/impact of media on performance processes.

Topics for Student Presentations:



- a. All aspects of production and performance; recording, archiving, interviewing performers and data collection.

**GE- 3: Language and Linguistics**

**Credits 06**

**GE3T: Language and Linguistics**

**Course Contents:**

1. Language: language and communication; language varieties: standard and non-standard language; language change.  
Mesthrie, Rajend and Rakesh M Bhatt. 2008. *World Englishes: The study of new linguistic varieties*. Cambridge: Cambridge University Press.
2. Phonology and Morphology: Akmajian, A., R. A. Demers and R, M. Harnish, *Linguistics: An Introduction to Language and Communication*, 2nd ed.  
Fromkin, V., and R. Rodman, *An Introduction to Language*, 2nd ed. (New Yourk: Holt, Rinehart and Winston, 1974) Chapters 3, 6 and 7
3. Syntax : categories and constituents phrase structure; maxims of conversation.  
Akmajian, A., R. A. Demers and R, M Harnish, *Linguistics: An Introduction to Language and Communication*, 2nd ed. (Cambridge, Mass.: MIT Press, 1984; Indian edition, Prentice Hall, 1991) Chapter 5 and 6.

**Or**

**GE- 3: Contemporary India: Women and Empowerment**

**Credits 06**

**GE3T: Contemporary India: Women and Empowerment**

**Course Contents:**

1. Social Construction of Gender (Masculinity and Femininity) Patriarchy in Indian History.
2. Women and Law  
Women and the Indian Constitution  
Personal Laws(Customary practices on inheritance and Marriage) (Supplemented by workshop on legal awareness)
3. Women and Environment  
State interventions, Domestic violence, Female foeticide, sexual harassment  
Female Voices: *Sultana's Dream* or Bama : Karuk ku

**GE- 4: Gender & Human Rights**

**Credits 06**

**GE4T: Gender & Human Rights**

**Course Contents:**

1. Poetry: Meena Kandasamy “Aggression” Tamsula Ao “Laburnum for My Head”
2. Drama: Manjula Padmanabhan *Lights Out*
3. Essay: Virginia Woolf “Professions for Women”, *Women's Rights are Human Rights*. Section V “The Human Rights Framework in Practice”

Or

**GE - 4: Environment & Literature**

**Credits 06**

**GE4T: Environment & Literature**

**Course Contents:**

Introduction (Nature in Oriental & Western Thought, Deep Ecology, Third World Environmentalism)

1. G M Hopkins. 'Binsey Poplars'
2. Mahasweta Devi. 'Pterodactyl'
3. Ruskin Bond. 'Dust on the Mountains'.

**Suggested Readings:**

- Vasudha Narayanan 'Water, Wood, and Wisdom: Ecological Perspectives from the Hindu Traditions'
- Allen Carlson. *Environmental Aesthetics*
- Preeti Ranjan Ghosh. "Towards an Understanding of Environmental Aesthetics: Some Reflections", *The Philosophical Quarterly*, 1998
- Beth Fowkes Tobin. *Colonizing Nature*
- Vasudha Narayanan. *Water, Wood and Wisdom*
- Vandana Shiva. *Women in Nature*



Phone: 7908040652/7501133806

# SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014

P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650

[www.amdabadcollege.in](http://www.amdabadcollege.in) | Email: [sjmahavidyalaya@gmail.com](mailto:sjmahavidyalaya@gmail.com)

## 7.1.3 Integration of sustainability principles into the curriculum to foster a culture of environmental responsibility

### SUBJECT: ENGLISH

#### Revised CBCS syllabus w.e.f. 2022-23

*N.B.* Only 2 semesters have been taught under this syllabus during the assessment period (2018-19 to 2022-23).

Programme	Course type	Course number	Course Title	Content relating to environment and sustainability
BA Honours	Honours Core	CC4	British Literature: Romantic Period	The course as a whole reflects on the complex and changing relationship between humanity and nature, among various other issues.



Phone: 7908040652/7501133806

# SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014

P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650

[www.amdabadcollege.in](http://www.amdabadcollege.in) | Email: [sjmahavidyalaya@gmail.com](mailto:sjmahavidyalaya@gmail.com)

**Syllabus with issues relating to  
environment and sustainability  
identified above marked up  
(in bright pink)**

# VIDYASAGAR UNIVERSITY



**Curriculum for 3-Year B.A. (HONOURS)**  
**in**  
**ENGLISH**

**Revised Syllabus under CBCS**

**(w.e.f. Academic session 2022-23)**

**Vidyasagar University**

**Paschim Midnapore 721102, West Bengal**



# Vidyasagar University

## Curriculum for B.A. (Honours) in English [Choice Based Credit System]

### COURSES –ENGLISH (HONOURS)

LEVEL	COURSE TYPE	CODE	COURSE TITLE	CREDIT	MARKS			
					ESE	IA	CA	TOTAL
ENGLISH (HONOURS)	CC	C1 T	History of English Literature and English Language	6	60	10	05	75
	CC	C2 T	British Poetry (Renaissance to 18 <sup>th</sup> Century)	6	60	10	05	75
	CC	C3 T	British Drama & Prose (Renaissance to 18 <sup>th</sup> Century)	6	60	10	05	75
	CC	C4T	British Literature: Romantic Period	6	60	10	05	75
	CC	C5 T	British Literature: Victorian Period	6	60	10	05	75
	CC	C6 T	British Literature: The Early 20th Century	6	60	10	05	75
	CC	C 7 T	American Literature	6	60	10	05	75
	CC	C8 T	European Classical Literature	6	60	10	05	75
	CC	C9 T	Modern European Drama	6	60	10	05	75
	CC	C10 T	Popular Literature	6	60	10	05	75
	CC	C11 T	Postcolonial Literatures	6	60	10	05	75
	CC	C12 T	Women's Writing	6	60	10	05	75
	CC	C13 T	Indian Classical Literature	6	60	10	05	75
	CC	C14 T	Indian English Literature	6	60	10	05	75
	DSE	DSE1 T	Nineteenth Century European Realism OR British Literature : Post World War II	6	60	10	05	75
	DSE	DSE2 T	World Literatures OR Modern Indian Writing in English Translation	6	60	10	05	75
	DSE	DSE3 T	Literary Criticism OR Literary Theory	6	60	10	05	75

	<b>DSE</b>	<b>DSE4 T</b>	<b>Partition Literature OR Literature of the Indian Diaspora</b>	<b>6</b>	<b>60</b>	<b>10</b>	<b>05</b>	<b>75</b>
	<b>SEC</b>	<b>SEC1 T</b>	<b>English Language Teaching Or Soft Skills</b>	<b>2</b>	<b>40</b>	<b>05</b>	<b>05</b>	<b>50</b>
	<b>SEC</b>	<b>SEC2 T</b>	<b>Creative Writing Or Translation Studies</b>	<b>2</b>	<b>40</b>	<b>05</b>	<b>05</b>	<b>50</b>

**COURSES – GE – GENERIC ENGLISH**

<b>LEVEL</b>	<b>COURSE TYPE</b>	<b>CODE</b>	<b>COURSE TITLE</b>	<b>CREDIT</b>	<b>MARKS</b>			
					<b>ESE</b>	<b>IA</b>	<b>CA</b>	<b>TOTAL</b>
<b>Hons Students of other disciplines having ENGLISH as GE: Generic Elective</b>	<b>GE</b>	<b>GE 1 T</b>	<b>Academic Writing and Composition</b>	<b>6</b>	<b>60</b>	<b>10</b>	<b>05</b>	<b>75</b>
	<b>GE</b>	<b>GE 2 T</b>	<b>Gender &amp; Human Rights</b>	<b>6</b>	<b>60</b>	<b>10</b>	<b>05</b>	<b>75</b>
	<b>GE</b>	<b>GE 3 T</b>	<b>Environment &amp; Literature</b>	<b>6</b>	<b>60</b>	<b>10</b>	<b>05</b>	<b>75</b>
	<b>GE</b>	<b>GE 4T</b>	<b>Contemporary India: Women and Empowerment</b>	<b>6</b>	<b>60</b>	<b>10</b>	<b>05</b>	<b>75</b>

- **L=Lecture, T=Tutorial, P=Practical, CC- Core Course, TBD - To be decided, AECC-Ability Enhancement Compulsory Course Generic Elective (GE) (Interdisciplinary) from other Department [Paper will be of 6 credits]**



***ENGLISH HONOURS:***

***CORE COURSES***

<b>CC 1: History of English Literature and English Language</b>	<b>6 Credit</b>
<b>CC1T: History of English Literature and English Language</b>	<b>6 Credit</b>

**Course Contents:**

**A. History of Literature: Beginning to 20<sup>th</sup> Century:**

Topics to be emphasized:

(Old English Poetry, Old English Prose, Chaucer, Development of Drama, Elizabethan Sonnets, University Wits, Shakespeare, the Jacobean, Milton, Dryden, Pope, Restoration Comedy of Manners, Eighteenth Century Novel & Prose, Pre-Romantic and Romantic Poetry, Victorian Poetry and Novels, Shaw & Wilde, Modernism, 20<sup>th</sup> Century Novel, Poetry & Plays, The Wars and Literary developments upto the 1950s)

**B. History of English Language:**

The influences: Greek, Latin, Scandinavian, French

**C. Chaucer: *The Wife of Bath's Prologue*:**

**Suggested Readings:**

1. Edward Albert: *History of English Literature*
2. Andrew Sanders: *The Short Oxford History of English Literature*
3. David Daiches: *A Critical History of English Literature* (Vols. I-IV)
4. Michael Alexander: *A History of English Literature*
5. Ronald Carter & John McRae: *The Routledge History of Literature in English*
6. G.M. Trevelyan: *English Social History*
7. Otto Jespersen: *Growth and Structure of the English Language*
8. C.L. Wren: *The English Language*
9. A.C. Baugh: *A History of English Language*
10. C.L. Barber: *The Story of Language*
11. Gail Ashton: *Chaucer: The Canterbury Tales*, Macmillan Education UK, 1998
12. Peter Brown: *A Companion to Chaucer*, Blackwell, 2002
13. Derek Brewer, Ed., *Geoffrey Chaucer: The Critical Heritage* Vols. I & II, Routledge, 1996
14. Paul Poplawski. Ed. *Studying English Literature in Context: Critical Readings*, Cambridge University Press, 2022

## ENGLISH HONOURS: CORE COURSES

**CC 2: British Poetry (Renaissance to 18<sup>th</sup> Century)** **6 Credit**

**CC2T: British Poetry (Renaissance to 18<sup>th</sup> Century)** **6 Credit**

### Course Contents:

#### A. British Poetry:

Sir Philip Sidney: "Loving in Truth"

Edmund Spenser: Sonnet LXXV "One day I wrote her name"

William Shakespeare: Sonnets 18 & 130

John Donne: "Good Morrow", "Batter My Heart"

Milton: *Paradise Lost* Book-I

Pope: *Rape of the Lock* (first 3 cantos)

Marvell: "To His Coy Mistress"

Thomas Gray: "Elegy Written in a Country Churchyard"

#### B. Rhetoric & Prosody

### Suggested Readings:

1. James Bruce Ross and Mary Martin McLaughlin, eds., *The Portable Renaissance Reader*. (Penguin NY, 1953)
2. Douglas Bush: *Prefaces to Renaissance Literature*, (Norton, NY)
3. Hardin Craig: *The Enchanted Glass* (Hassell Street Press)
4. Ian Jack: *Augustan Satire* (AITBS, Delhi, 2003, Indian Reprint)
5. Helen Gardener: *Metaphysical Poets* (OUP, London, 1967)
6. Lewis, C. S.: *A Preface to Paradise Lost*. (OUP, NY 1961).
7. Evans, J. Martin. *Milton's Imperial Epic: Paradise Lost and the Discourse of Colonialism*. (Cornell University Press, Ithaca, NY 1996).
8. Stephen Greenblatt (ed.) *The Norton Anthology of English Literature*, vol. 1: The Life of Pope (Norton, NY, 2006)
9. John Press (ed.), *The Golden Treasury* (combined edition)
10. Pramod K. Nayar: *English Poetry from Elizabethans to Restorations* (Orient Black Swan)
11. Pramod K. Nayar: *English Poetry 1660-1780: An Anthology* (Orient Black Swan)
12. Bose and Sterling, *Elements of English Rhetoric and Prosody*

## ENGLISH HONOURS: CORE COURSES

**CC 3: British Drama & Prose (Renaissance to 18<sup>th</sup> Century) 6 Credit**

**CC3T: British Drama & Prose (Renaissance to 18<sup>th</sup> Century) 6 Credit**

### Course Contents:

#### A. Plays

Christopher Marlowe: *Edward II*

William Shakespeare: *Macbeth*

William Shakespeare: *Twelfth Night*

R. B. Sheridan: *The Rivals*

#### B. Novels

Aphra Behn: *Oroonoko* OR

Jonathan Swift: *Gulliver's Travels* (Books III and IV)

#### C. Essays

Bacon: 'Of Studies'

Addison: 'Sir Roger at Home'

Steele: 'The Spectator Club'

### Suggested Readings:

1. James Bruce Ross and Mary Martin McLaughlin, eds., *The Portable Renaissance Reader*. (Penguin NY, 1953)
2. Douglas Bush: *Prefaces to Renaissance Literature*, (Norton, NY)
3. Hardin Craig: *The Enchanted Glass* (Hassell Street Press)
4. M.C. Bradbrook: *Themes and Conventions of Elizabethan Tragedy*, (Cambridge University Press, 1980)
5. Christopher Marlowe: *Edward II*, Roma Gill (ed.), Oxford University Press, 1972
6. Clifford Leech: *Christopher Marlowe: Poet for the Stage* (AMS Press, 1986)
7. Clifford Leech: 'Marlowe's *Edward II*: Power and Suffering', *Critical Quarterly*, Vol. I, No. 3, 1959, pp. 181-196.
8. Harry Levin: *The Overreacher* (ABS Publisher, 2022)
9. John Russell Brown: 'Marlowe and the Actors', *Tulane Drama Review*, Vo. 8, No. 4, 1964, pp. 155-173
10. Una Ellis-Fermor: *Christopher Marlowe* (Routledge, 2013)
11. KirkMelnikoff, *Edward II: A Critical Reader*, Bloomsbury Arden Shakespeare 2017
12. William Shakespeare: *Macbeth, Twelfth Night* (Arden Editions, NCS Editions)
13. John Russell Brown: *Shakespeare and His Comedies* (Routledge, 2004)
14. Harley Granville-Barker: *Preface to Shakespeare* (Folger Books, 1986)
15. G. Wilson Knight: *The Wheel of Fire* (Routledge, 2001)
16. A.C. Bradley: *Shakespearean Tragedy* (Atlantic, 2021)
17. Sukanta Chaudhuri: *Infirm Glory: Shakespeare and the Renaissance Image of Man* (Chronicle Press, 2006)
18. Frank Kermode: *The Age of Shakespeare* (Phoenix Press, 2008)

19. Lily B.Campbell: *Shakespeare's Tragic Heroes: Slaves of Passion* (Routledge, 1966)
20. Jonathan Dollimore: *Radical Tragedy: Religion, Ideology and Power in the Drama of Shakespeare and his Contemporaries* (Palgrave Macmillan, 2003)
21. John Hollander, 'Twelfth Night and the Morality of Indulgence', *Sewanee Review*, 68. 1959, pp.220-38
22. Alexander Leggatt, Ed.: *The Cambridge Companion to Shakespearean Comedy* (Cambridge University Press, 2002)
23. Richard Brinsley Sheridan, *The Rivals*, Dover Thrift Edition/ Bloomsbury Edition / New Mermaids Edition
24. Auburn, Mark S., *Sheridan's Comedies* (Lincoln and London, 1977)
25. Davison, Peter, ed., *Sheridan: Comedies Casebook* (London, 1986)
26. Loftis, John, *Sheridan and the Drama of Georgian England* (Oxford, 1976)
27. Ian Watt, *The Rise of the Novel*
28. Aprah Benn, *Oroonoko*, Penguin Classics, 2003 / Norton Critical Edition, 1997
29. Ros Ballaster: *Seductive Forms: Women's Amatory Fiction from 1684 to 1740* (Clarendon, 1998)
30. Anthony J.Barker: *The African Link: British Attitudes to the Negro in the Era of the Atlantic Slave Trade, 1550-1807* (Frank Cass Publishers, 1978)
31. Harold Bloom, Ed.: *Gulliver's Travels* (Chelsea House publishers, 2008)
32. Richard Gravil: Swift: *Gulliver's Travels*, A Casebook (Macmillan, 1991)
33. Anthony Pagden: *European Encounters with the New World: From Renaissance to Romanticism* (Yale University Press, 1994)
34. Bonamy Dobree: *English Literature in the Early Eighteenth Century, 1700-1740* (Oxford University Press, 1959)
35. Hugh Walker: *English Essays and Essayists* (Books Way, 2015)
36. F.G.Selby, Ed.: *Bacon's Essays* (Books Way, 2015)
37. Sukanta Chaudhuri, Ed.: *Bacon's Essays* (OUP)
38. O.M.Mayers, Ed.: *Coverley Papers from the "Spectator"* (Oxford University Press, 1908)
39. Edmund Gosse: *A History of the Eighteenth Century Literature, 1660-1780* (Cambridge University Press, 2013)
40. Brian Vickers: *Francis Bacon and Renaissance Prose* (Cambridge University Press, 2009)
41. F.P.Wilson: *Seventeenth Century Prose* (Cambridge University Press, 2012)

**CC 4: British Literature: Romantic Period**

**6 Credit**

**CCt4: British Literature: Romantic Period**

**6 Credit**

**Course Contents:**

**A. Poetry:**

- William Blake: “The Lamb”, “The Tyger”
- William Wordsworth: “Tintern Abbey”, “To The Skylark”
- Samuel Taylor Coleridge: “Christabel” Part-1
- Percy Bysshe Shelley: “Ozymandias”, “Ode to the West Wind”
- John Keats: “Ode to a Nightingale”, “To Autumn”

**B. Fiction & Non-Fictional Prose:**

- Mary Shelley: *Frankenstein*
- Jane Austen: *Pride and Prejudice*
- Charles Lamb: “The Praise of the Chimney Sweepers”

**Suggested Readings:**

1. Boris Ford, Ed.: *The Pelican Guide to English Literature*, Vol. 5: From Blake to Byron (Penguin Books, 1958)
2. Northrop Frye: *Romanticism Reconsidered* (Columbia University Press, 1968)
3. Harold Bloom and Lionel Trilling, Eds.: *Romantic Prose and Poetry*, (New York: OUP, 1973)
4. Maurice Bowra: *The Romantic Imagination* (Oxford University Press, 1950)
5. M. H. Abrams: *The Mirror and The Lamp* (Oxford University Press, 2006)
6. Geoffrey H. Hartman: *Wordsworth's Poetry: 1787-1814* (Yale University Press, 2015)
7. Jonathan Bate: *Romantic Ecology: Wordsworth and the Environmental Tradition* (Routledge, 2014)
8. Nicholas Roe: *Wordsworth and Coleridge: The Radical Years* (Oxford University Press, 2018)
9. Helen Vendler: *The Odes of John Keats* (Harvard University Press, 1985)
10. Cleanth Brooks: *The Well Wrought Urn* (Books Way, 2015)
11. Brian Stone: *The Poetry of Keats* (Penguin Books, 2000)
12. Graham Hough: *The Romantic Poets* (B.I.Publishers Pvt. Ltd., 2005)
13. M. Forster: *Aspects of the Novel* (Penguin Classics, 2005)
14. Douglas Bush: *Jane Austen* (Macmillan, 1975)
15. Barbara Hardy: *A Reading of Jane Austen* (Peter Owen, 1975)
16. Joan Rees: *Jane Austen: Woman and Writer* (Robert Hale Ltd., 1976)
17. Harold Bloom, Ed.: *Mary Shelley's Frankenstein* (Chelsea House Publishers, 1995)
18. Chris Baldick: In *Frankenstein's Shadow: Myth, Monstrosity and Nineteenth Century Writing* (Clarendon Press, 1990)
19. Edmund Blunden: *Charles Lamb and His Contemporaries* (Cambridge University Press, 2012)
20. V. Lucas: *Life of Charles Lamb* (Forgotten Books, 2019)

## ENGLISH HONOURS: CORE COURSES

**CC 5: British Literature: Victorian Period**

**6 Credit**

**CC5T: British Literature: Victorian Period**

**6 Credit**

### Course Contents:

#### Poetry:

- Alfred Tennyson: “Ulysses”
- Robert Browning: “My Last Duchess”, “The Last Ride Together”
- Matthew Arnold: “Dover Beach”
- Christina Rossetti: “The Goblin Market”

#### Novel:

- Charles Dickens: *Hard Times*
- Thomas Hardy: *The Return of the Native*

### Suggested Readings:

1. Stephen Greenblatt, Ed.: *The Norton Anthology of English Literature*, 8th edn, vol. 2 (New York: Norton, 2006)
2. W. L. Cross: *The Development of the English Novel* (Atlantic, 2010)
3. Raymond Williams: *The English Novel: From Dickens to Lawrence* (Chatto & Windus, 1984)
4. Boris Ford, Ed.: *The Pelican Guide to English Literature*, Vol. 6: From Dickens to Hardy (Penguin Books, 1970)
5. Hugh Walker: *The Literature of the Victorian Era* (Cambridge University Press, 2011)
6. Humphry House: *The Dickens World* (Oxford University Press, 1960)
7. Harold Bloom, Ed.: Charles Dickens’s *Hard Times*, Modern Critical Interpretations Series, 1958)
8. Paul Schlicke, Ed.: *Oxford Reader’s Companion to Dickens* (Oxford University Press, 1999)
9. David Cecil: *Hardy, the Novelist* (Constable and Co., 1943)
10. Henry C. Duffin: *A Study of the Wessex Novels* (Legare St. Press, 2022)
11. Irving Hoe: *Thomas Hardy* (Palgrave Macmillan, 1985)
12. R.P. Draper, Ed.: *Thomas Hardy, The Tragic Novels*, Casebook (Palgrave Macmillan, 1991)
13. Norman Page: *Thomas Hardy: The Novels*, (Palgrave Macmillan, 2001)
14. Shanta Dutta: *Ambivalence in Hardy: A Study of His Attitude to Women* (Anthem Press, 2007)
15. Alan Sinfield: *Dramatic Monologue* (Routledge, 2014)
16. Robert Langbaum: *The Poetry of Experience* (Andesite press, 2017)
17. Graham Hough: *The Last Romantics* (Duckworth, 1949)
18. Ian Jack: *Browning’s Major Poetry* (Oxford University Press, 1973)
19. Mary Ellis Gibson, Ed.: *Critical Essays on Browning* (G.K.Hall, 1992)
20. G.M.Young: *Victorian England: Portrait of an Age* (Reading Essentials, 2018)

## ENGLISH HONOURS: CORE COURSES

**CC 6: British Literature: The Early 20th Century**

**6 Credit**

**CC6T: British Literature: The Early 20th Century**

**6 Credit**

### Course Contents:

#### Poetry:

- W. B. Yeats: 'The Lake Isle of Innisfree', 'No Second Troy'
- T. S. Eliot: 'The Love Song of J. Alfred Prufrock'
- Owen: 'Anthem for Doomed Youth'
- Auden: 'The Unknown Citizen'

#### Fiction:

- Virginia Woolf: *Mrs. Dalloway*
- Joseph Conrad: 'The Lagoon'
- Katherine Mansfield: 'The Fly'
- James Joyce: "Araby"

#### Play:

- Shaw: *Arms and the Man*

### Suggested Readings:

1. Adrian Hunter: *The Cambridge Introduction to the Short Story in English* (Cambridge University Press, 2007)
2. Hollis Summers: *Discussions of the Short Story* (Melville House, 2004)
3. Walter Allen: *The Short Story in English* (Oxford University Press, 1981)
4. Eric Bentley: *Bernard Shaw* (Applause Theatre Book Publishers, 2002)
5. Christopher Innes, Ed.: *The Cambridge Companion to George Bernard Shaw* (Cambridge University Press, 1998)
6. S. C. Sengupta: *The Art of Bernard Shaw* (N.M.Publishers, 1997)
7. Bhabatosh Chatterjee: *The Poetry of W. B. Yeats* (Sarat Book House, 2003)
8. Manju Jain: *A Critical Reading of Selected Poems of T.S.Eliot* ((Oxford University Press, 2009)
9. Kenneth Asher: *T. S. Eliot and Ideology* (Cambridge University Press, 1999)
10. Richard Ellman: *Yeats: The Man and the Masks* (Literary Licensing, 2011)
11. Helen Gardner: *The Art of T. S. Eliot* (Barrie & Jenkins, 1968)
12. Arthur Symons: *The Symbolist Movement in Literature* (E.P.Dutton and Co.. 1919 – Indian Reprint - A B S Publishers & Distributors, 2006)
13. Suzanne Ferguson, 'Defining the Short Story: Impressionism and Form', *Modern Fiction Studies*, 28,1982, pp.13-24
14. Jayati Gupta: *Narrative and Narration: A Study of the Modern Short Story* (Anthem Press, 2008)
15. Raymond Williams: *The English Novel: From Dickens to Lawrence* (Chatto & Windus, 1984)



## ENGLISH HONOURS: CORE COURSES

**CC 7: American Literature**

**6 Credit**

**CC7T: American Literature**

**6 Credit**

### Course Contents:

#### Poetry:

- Poe: "The Raven"
- Walt Whitman: "O Captain, My Captain"
- Robert Frost: "The Road not Taken"
- Langston Hughes: "Harlem"

#### Novel

- Mark Twain: *The Adventures of Huckleberry Finn*
- OR**
- Hemingway: *For Whom the Bell Tolls*

#### Short Story & Personal Narrative:

- Faulkner: 'Dry September'
- Maya Angelou: Selections from *I Know Why the Caged Bird Sings* (chaps. 15 and 16)

#### Play:

- Tennessee Williams: *A Streetcar Named Desire*
- OR**
- Miller: *All My Sons*

#### Suggested Readings:

1. Boris Ford, Ed.: *The Pelican Guide to English Literature*, Vol. 9: American Literature (Penguin Books, 2000)
2. Nina Baym, Wayne Franklin, Eds.: *The Norton Anthology of American Literature*, (Vol. One-Two), Seventh Edition, (August 1, 2007)
3. Lehman, David and John Brehm. *The Oxford Book of American Poetry*. Oxford University Press, 2006.
4. Louis Untermeyer: *Modern American Poetry*. Harcourt, Brace and Company, 1921. Print.
5. Ashton, Jennifer, ed.: *The Cambridge Companion to American Poetry since 1945*. Cambridge University Press, 2013.
6. Alfred Bendixen, and Stephen Burt, eds.: *The Cambridge History of American Poetry*. Cambridge University Press, 2014.
7. C.W.E. Bigsby: *A Critical Introduction to Twentieth Century American Drama*, Vol. 2: Tennessee Williams, Arthur Miller, Edward Albee (Cambridge University Press, 1982)
8. Jordan Y. Miller, Ed.: *Williams' A Streetcar Named Desire: A Collection of Critical Essays*, Twentieth Century Interpretations Series (Prentice Hall, 1971)
9. Carlos Baker: *Hemingway: The Writer As Artist* (Princeton University Press, 1972)
10. Robert P. Weeks, Ed.: *Hemingway: A Collection of Critical Essays*, Twentieth Century Interpretations Series (Prentice Hall, 1971)

ENGLISH HONOURS: CORE COURSES

**CC 8: European Classical Literature**

**6 Credit**

**CC8T: European Classical Literature**

**6 Credit**

**Course Contents:**

- Homer: *The Iliad*, tr. E. V. Rieu (Harmondsworth: Penguin, 1985) (Book I).
- Sophocles: *Oedipus the King*, tr. Robert Fagles in *Sophocles: The Three Theban Plays* (Harmondsworth: Penguin, 1984).
- Plautus: *Pot of Gold*, tr. E. F. Watling (Harmondsworth: Penguin, 1965).
- Ovid Selections from *Metamorphoses* 'Bacchus', (Book III), 'Pyramus and Thisbe' (Book IV), tr. Mary M. Innes (Harmondsworth: Penguin, 1975).

**Suggested Readings:**

1. Aristotle, *Poetics*, translated by Ingram Bywater with a Preface by Gilbert Murray (London: OUP, 1977).
2. Aristotle, *Poetics*, translated with an introduction and notes by Malcolm Heath, (London: Penguin, 1996) chaps. 6–17, 23, 24, and 26.
3. Plato, *The Republic*, Book X, tr. Desmond Lee (London: Penguin, 2007).
4. Horace, *Ars Poetica*, tr. H. Rushton Fairclough, *Horace: Satires, Epistles and Ars Poetica* (Cambridge Mass.: Harvard University Press, 2005) pp. 451–73.
5. Rev. A. Louage : *A History of Greek and Roman Literature*, D. Appleton & Co, New York, 1873.
6. Marianne McDonald and J. Michael Walton, Eds.: *The Cambridge Companion to Greek and Roman Theatre*, Cambridge, CUP, 2007
7. M. Bowra : *From Virgil to Milton*, Macmillan, 1972.
8. S. E. Bassett : *The Poetry of Homer*, Berkley, 1938
9. R. L. Hunter : *The New Comedy of Greece and Rome*, New York and Cambridge, CUP, 1985
10. H. D. F. Kitto: *Greek Tragedy* (Routledge, 2001)
11. L. Barkan : *The Gods Made Flesh : Metamorphosis and the Pursuit of Paganism*, Yale University Press, 1986.

## ENGLISH HONOURS: CORE COURSES

**CC 9: Modern European Drama**

**6 Credit**

**CC9T: Modern European Drama**

**6 Credit**

### Course Contents:

- Henrik Ibsen: *Ghosts*
- Bertolt Brecht: *The Good Woman of Szechuan*
- Samuel Beckett: *Waiting for Godot*
- Eugene Ionesco: *The Rhinoceros*

### Suggested Readings:

- a) *Ghosts* by Henrik Ibsen, ed. Payal Nagpal (Worldview text)
  - b) *The Good Woman of Szechuan* by Bertolt Brecht (Bloomsbury text)
  - c) *Waiting for Godot* by Samuel Beckett, ed. with an introduction by Javed Mallick (Oxford text)
  - d) *The Rhinoceros*, by Eugene Ionesco, ed. Dilip Kumar Basu (Worldview critical editions)
1. Martin Esslin, *The Theatre of the Absurd* (First pub. by Anchor Books, 1961)
  2. Fredrick Lumley. *New Trends in the Twentieth Century Drama: A Survey since Ibsen and Shaw*. Oxford: O.U.P, 1972.
  3. Raymond Williams, *Drama from Ibsen to Brecht*. London: Penguin Books, 1973.
  4. George Steiner, 'On Modern Tragedy', in *The Death of Tragedy* (London: Faber, 1995) pp. 303–24.
  5. Eric Bentley. *The Theory of the Modern Stage: An Introduction to Theatre and Drama*. London: Penguin Books, 1968.
  6. J. S. Bratton, *New Readings in Theatre History: Theatre and Performance Theory*. Cambridge: Cambridge University Press, 2003.
  7. Bamber Gascoigne. *Twentieth Century Drama*: London: Hutchinson, 1967.
  8. Bertolt Brecht, 'The Street Scene', 'Theatre for Pleasure or Theatre for Instruction', and 'Dramatic Theatre vs Epic Theatre', in *Brecht on Theatre: The Development of an Aesthetic*, ed. and tr. John Willet (London: Methuen, 1992) pp. 68–76, 121–8.

## ENGLISH HONOURS: CORE COURSES

**CC 10: Popular Literature**

**6 Credit**

**CC10T: Popular Literature**

**6 Credit**

### Course Contents:

- Lewis Carroll: *Through the Looking Glass*
- Agatha Christie: *The Murder of Roger Ackroyd*
- Shyam Selvadurai: *Funny Boy* **OR** Daphnedu Maurier: *Rebecca*
- Sukumar Ray: *Abol Tabol* (Translated by Sukanta Chaudhuri) / Autobiographical Notes on Ambedkar  
(For the Visually Challenged students)

**Selections from *Abol Tabol*:** *Hotch-Potch, The Purloined Moustache, A Marriage is Announced, Snakes Alive, The Rule of Twenty-One, The Perfumed Crisis.*

### Suggested Readings:

- a) *Through the Looking-Glass* by Lewis Carroll (Fingerprint text)
  - b) *The Murder of Roger Ackroyd* by Agatha Christie (Harper Collins text)
  - c) *Funny Boy* by Shyam Selvadurai (Penguin India text)
  - d) *Rebecca* by Daphne du Maurier. (Virago text)
1. Arjun Appadurai, and Carol A. Breckenridge. "Public Modernity in India " in *Consuming Modernity*. Ed. Carol A. Breckenridge. Delhi: Oxford UP, 1995.
  2. Jim McGuigan,. *Cultural Populism*. London: Routledge, 1992.
  3. Janice Radway. *Reading the Romance: Women, Patriarchy, and Popular Literature*. London: Verso, 1987.
  4. Pramod K Nayar. *An Introduction to Cultural Studies*. New Delhi: Viva, 2008
  5. Leslie Fiedler, 'Towards a Definition of Popular Literature', in *Super Culture: American Popular Culture and Europe*, ed. C.W.E. Bigsby (Ohio: Bowling Green University Press, 1975) pp. 29–38.
  6. Felicity Hughes, 'Children's Literature: Theory and Practice', *English Literary—History*, vol. 45, 1978, pp. 542–61.
  7. Chelva Kanaganayakam, 'Dancing in the Rarefied Air: Reading Contemporary Sri Lankan Literature' (*ARIEL*, Jan. 1998) rpt, Malashri Lal, Alamgir Hashmi, and Victor J. Ramraj, eds., *Post Independence Voices in South Asian Writings* (Delhi: Doaba Publications, 2001) pp. 51–6

## ENGLISH HONOURS: CORE COURSES

### CC 11: Postcolonial Literatures

6 Credit

### CC11T: Postcolonial Literatures

6 Credit

#### Course Contents:

##### Poetry:

- Pablo Neruda: “Tonight I can Write”, “The Way Spain Was”
- Derek Walcott: “A Far Cry from Africa”, “Names”
- Mamang Dai: “Small Towns and the River”, “The Voice of the Mountain”

##### Novel:

- Achebe: *Things Fall Apart*

##### Stories:

- Bessie Head: ‘The Collector of Treasures’
- Ama Ata Aidoo: ‘The Girl Who Can’
- Fakir Mohan Senapati: ‘Rebati’

##### Suggested Readings:

- a) *The Poetry of Pablo Neruda* ( Anthology, ed. Ilan Stavans ) (Farrar, Straus and Giroux , 2005)
- b) *Derek Walcott: Collected Poems*, (Farrar, Straus and Giroux, 1987)
- c) *A Warble of Postcolonial Voices* (Vol II., Poems), ed. Someshwar Sati (Worldview Critical Editions, 2016)
- d) Achebe: *Things Fall Apart* (William Heinemann Ltd., 1958)
- e) Bessie Head: ‘The Collector of Treasures’ in *The Collector of Treasures* (Heinemann , 1977)
- f) Ama Ata Aidoo: ‘The Girl who can’ in *The Girl Who Can and Other Stories (1997)* (*Sub-Saharan Publishers, 1997*)
- g) *Rebati : Speaking in Tongues* by Fakir Mohan Senapati, Manu Dash, et al. (Dhauri Books , 2021)

1. Ashcroft, Griffiths and Tiffin, *The Empire Writes Back* (Taylor & Francis Group, 1989)
2. Ashcroft, Griffiths and Tiffin, *The Postcolonial Studies Reader* (Routledge, 1998)
3. Eugene Benson and L. Conolly (eds.), *Encyclopedia of Postcolonial Literatures in English* (2nd ed.)
4. B.M. Gilbert, *Postcolonial Theory: Contexts, Practices, Politics*
5. Meenakshi Mukherjee and Harish Trivedi (eds.) *Interrogating Postcolonialism* (Indian Institute of Advanced Study, 1996)
6. Meenakshi Mukherjee, *The Twice-Born Fiction: Themes and Techniques of the Indian Novel in English* (Pencraft International, 2011)
7. Ngugi wa Thiong’o, *Decolonising the Mind* London: James Curry, 1986
8. Benedict Anderson, *Imagined Communities: Reflections on the Origin and Spread of Nationalism*
9. Homi K. Bhaba, ed. *Nation and Narration*
10. Franz Fanon *Black Skin, White Masks*, tr. Charles Lam Markmann (London: Pluto Press, 2008)

**CC 12: Women's Writing**

**6 Credit**

**CC12T: Women's Writing**

**6 Credit**

**Course Contents:**

**Poetry:**

- Emily Dickinson: 'I cannot live with you', 'I'm wife; I've finished that'
- Sylvia Plath: 'Lady Lazarus'
- Eunice De Souza: 'Advice to Women',

**Fiction:**

- Mahasweta Devi: 'Draupadi', tr. Gayatri Chakravorty Spivak (Calcutta: Seagull, 2002)
- Toni Morrison: *Beloved*

**Non-Fiction:**

- Virginia Woolf: *A Room of One's Own*, Chapter 1. (New York: Harcourt, 1957)
- Baby Kamble: *The Prisons We Broke*, (Trans.) Maya Pandit. Chennai: Orient Longman, 2008
- Rassundari Debi Excerpts from *Amar Jiban* in Susie Tharu and K.Lalita, eds., *Women's Writing in India*, vol.1 (New Delhi: OUP, 1989) pp.191–2.

**Suggested Readings:**

1. Nivedita Menon, *Recovering Subversion: Feminist Politics Beyond the Law*, (New Delhi, Permanent Black, 2004)
2. Simone de Beauvoir, 'Introduction', in *The Second Sex*, tr. Constance Borde and Shiela Malovany-Chevallier (London: Vintage, 2010)
3. Maithreyi Krishna Raj, *Women Studies in India – Some Perspectives* (Bombay: Popular Prakasham, 1986).
4. Reina Lewis, Sara Mills (Ed.), *Feminist Postcolonial Theory – A Reader* Edinburgh University Press, Edinburgh, 2003.
5. Zoya Hasan (ed) (1994) *Forging Identities: Gender Communities and State*, New Delhi, Kali for Women.
6. Sharmila Rege. : *Writing Caste/ Writing Gender: Narrating Dalit Women's Testimonios*. New Delhi: Zubaan 2006.
7. Kumkum Sangari and Sudesh Vaid, eds., 'Introduction', in *Recasting Women: Essays in Colonial History* (New Delhi: Kali for Women, 1989) pp. 1–25.
8. Chandra Talapade Mohanty, 'Under Western Eyes: Feminist Scholarship and Colonial Discourses', in *Contemporary Postcolonial Theory: A Reader*, ed. Padmini Mongia (New York: Arnold, 1996) pp. 172–97.

**CC 13: Indian Classical Literature**

**6 Credit**

**CC13T: Indian Classical Literature**

**6 Credit**

**Course Contents:**

- Kalidasa. *Abhijnana Shakuntalam*, tr. Chandra Rajan, in *Kalidasa: The Loom of Time* (New Delhi: Penguin, 1989).
- Vyasa. 'The Dicing' and 'The Sequel to Dicing,' 'The Book of the Assembly Hall', 'The Temptation of Karna', Book V 'The Book of Effort', in *The Mahabharata*: tr. and ed. J. A. B. van Buitenen (Chicago: Brill, 1975) pp.106–69.
- Sudraka. *Mrcchakatika*, tr. M.M. Ramachandra Kale (New Delhi: Motilal Banarasidass,1962).
- Bharatamuni's *Natyashastra*(Chapter1 on the origin of drama), Trans. and ed. Manomohan Ghosh. (Chaukhamba Surbharati Prakashan, Varanasi, 2020).

**Suggested Readings:**

1. Anand Lal. *The Oxford Companion to Indian Theatre*. New Delhi: Oxford University Press. 2004
2. Edwin Gerow. *The Literatures of India: An Introduction*. The University of Chicago Press
3. P. V. Kane, *The History of Sanskrit Poetics*. Motilal Varanasi Das, New Delhi, 1961.
4. C. D. Narasimhaiah. *Literary Criticism: European and Indian Tradition*. University of Mysore, 1965.
5. Saptarshi Mallick, ed. : *Sudraka's Mrcchakatikam: A Reader*. (Bolpur, W.B., India: Birutjatio pub, 2022)
6. Rama Nand Rai,. *Theory of Drama: A Comparative Study of Aristotle and Bharata*: New Delhi: Classical Pub. Co. 1992.
7. Adya Rangacharya. *Introduction to Bharata's Natyasastra*. Delhi: Munshirm Manoharlal Pub, Reprint 2005.
8. Ami Upadhyay. *A Handbook of Indian Poetics and Aesthetics*. (Prakash Book Depot, 2010, 2017)
9. Bharat Gupta: *Dramatic Concepts, Greek and Indian: A Study in Poetics and Natyashastra* (D.K. Print World, 1995)
10. Barbara Stoler Miller, Ed.: *Theater of Memory: The Plays of Kalidasa* (Columbia University Press, 1984)
11. Iravati Karve, 'Draupadi', in *Yuganta: The End of an Epoch* (Hyderabad: Disha, 1991) pp. 79–105.
12. J.A.B. Van Buitenen, 'Dharma and Moksa', in Roy W. Perrett, ed., *Indian Philosophy, vol. V, Theory of Value: A Collection of Readings* (New York: Garland, 2000) pp. 33–40.
13. Vinay Dharwadkar, 'Orientalism and the Study of Indian Literature', in *Orientalism and the Postcolonial Predicament: Perspectives on South Asia*, ed. Carol A. Breckenridge and Peter van der Veer (New Delhi: OUP, 1994) pp. 158–95.



**CC 14: Indian English Literature**

**6 Credit**

**CC14T: Indian English Literature**

**6 Credit**

**Course Contents:**

**Novel**

- R. K. Narayan: *Swami and Friends* (Indian Thought Publication)

OR

- Anita Desai: *In Custody*(Vintage/Penguin)

**Poetry:**

- H. L. V. Derozio: 'To India—My Native Land'
- Kamala Das: 'My Grandmother's House'
- Nissim Ezekiel: 'Goodbye Party to Miss Pushpa TS'
- Selections from *Hymns for the Drowning*, Nammalvar, translated by A. K. Ramanujan, Penguin, 1983.  
(Selections: 'The Paradigm', 'My "Quite Contrary" Lord' & 'My Lord, My Cannibal')

**Fiction:**

- Mulk Raj Anand: 'Two Lady Rams', in *The Man Whose Name did not Appear in the Census and Other Stories*, Orient Paperbacks, 2006.
- Salman Rushdie: 'The Free Radio', in *East, West*, Jonathan Cape, Britain, 1994

**Drama:**

- Karnad : *Tughlaq*, OUP

**Suggested Readings:**

1. M. K. Naik: *A History of Indian English Literature*, Sahitya Akademi, New Delhi.
2. K.R. Srinivasa Iyengar, *Indian Writing in English*, Sterling.
3. Arvind K. Mehrotra, ed. *An Illustrated History of Indian Writing in English*, Orient Blackswan, New Delhi, 2005.
4. Makarand Paranjape, ed.: *Indian Poetry in English*, Macmillan, 1993
5. R. Parthasarathy. *Ten Twentieth Century Indian Poets* (anthology with an introduction) , Oxford India pub. 1976
6. Bruce King, *Modern Indian Poetry in English* (Revised edition, OUP, 2001)
7. Jeet Thail (ed.), Preface. *The Penguin Book of Indian Poets*. (Penguin Random House, 2022)
8. S.K. Das, *A History of Indian Literature*, Vols VIII & IX, Sahitya Akademi.
9. Rumina. Sethi, *Myths of the Nation: National Identity and Literary Representation*, OUP 1999.
10. Meenakshi Mukherjee, *Realism and Reality: The Novel and Society in India*(New Delhi: OUP, 1999)
11. Meenakshi Mukherjee, *The Perishable Empire* (New Delhi: OUP, 2000)



***ENGLISH HONOURS:***  
***DSE COURSES***

## ENGLISH HONOURS: CORE COURSES

### DSE 1: Nineteenth Century European Realism

6 Credit

### DSE1T: Nineteenth Century European Realism

6 Credit

#### Course Contents:

- Fyodor Dostoevsky: *Crime and Punishment*, tr. Jessie Coulson (London:Norton,1989).
- Gustave Flaubert:*Madame Bovary*, tr. Geoffrey Wall(London:Penguin,2002).
- Honore de Balzac – ‘The Unknown Masterpiece’, (‘Gillette’), in *The Unknown Masterpiece and Other Stories*, translated by Richard Howard (Mineola, New York, Dover Publications, 1999).
- Guy de Maupassant – ‘The Necklace’, in *The Necklace and Other Stories* (Dover Thrift/Modern library edition)

#### Suggested Readings:

1. Leo Tolstoy, ‘Man as a creature of history in *War and Peace*’, ed. Richard Ellmann et. al., *The Modern Tradition*, (Oxford: OUP, 1965) pp. 246–54.
2. Honore de Balzac, ‘Society as Historical Organism’, from Preface to *The Human Comedy*, in *The Modern Tradition*, ed. Ellmann et. al (Oxford: OUP, 1965) pp. 265– 67.
3. Gustav Flaubert, ‘Heroic honesty’, Letter on *Madame Bovary*, in *The Modern Tradition*, ed. Richard Ellmann et. al. (Oxford: OUP, 1965) pp. 242–3.
4. George Lukacs, ‘Balzac and Stendhal’, in *Studies in European Realism* (London, Merlin Press, 1972) pp. 65–85.
5. Edward D. Sullivan, *Maupassant: The Short Stories* (Great Neck: Barron'sEducational Series, Inc.,1962)
6. *The Implied Reader* (Baltimore: Johns Hopkins Univ. Press, 1974)

OR

### DSE 1: British Literature: Post World War II

6 Credit

### DSE1T: British Literature: Post World War II

6 Credit

#### Course Contents:

**Novel :** William Golding: *Lord of the Flies*  
OR  
John Fowles: *The French Lieutenant’s Woman*

**Play:** Osborne: *Look Back in Anger*

**Poetry:** Dylan Thomas: ‘Poem in October’  
Phillip Larkin ‘Ambulances’,  
Thom Gunn ‘On the Move’  
Ted Hughes ‘Hawk Roosting’  
Carol Anne Duffy ‘Text’

## Suggested Readings:

1. S. Connor: *The English Novel in History: 1950 to the Present*. London: Routledge 1995.
2. N. Corcoran : *English Poetry since 1940*. London: Longman 1993.
3. R. P. Draper : *An Introduction to Twentieth-Century Poetry in English*. London, Macmillan. 1996.  
D. J. Taylor : *After the War: The Novel and England since 1945*. London: Flamingo, 1994.
4. Neil Corcoran, ed.: *The Cambridge Companion to Twentieth-Century English Poetry*, CUP, 2007
5. Paul Crawford: *Politics and History in William Golding: The World Turned Upside Down*, University of Missouri Press, 2002
6. James R. Baker, *William Golding*. New York: St. Martin's Press, 1965.
7. Harold Bloom, ed. *Lord of the Flies: Modern Critical Interpretations*. New York: Chelsea House, 1998. William J. Palmer, *The Fiction of John Fowles: Tradition, Art, and the Loneliness of Selfhood* (Columbia: University of Missouri Press, 1974),
8. Peter Conradi, *John Fowles* (London:Methuen, 1982)
9. Malcolm Bradbury, *The Novel Today : Contemporary Writers On Modern Fiction*, Manchester University Press, 1977.
10. Alan Sinfield, 'Literature and Cultural Production', in *Literature, Politics, and Culture in Postwar Britain* (Berkley and Los Angeles: University of California Press, 1989) pp. 23–38.
11. Seamus Heaney, 'The Redress of Poetry', in *The Redress of Poetry* (London: Faber,1995) pp. 1–16.
12. Patricia Waugh, 'Culture and Change: 1960-1990', in *The Harvest of The Sixties:English Literature And Its Background, 1960-1990* (Oxford: OUP, 1997).

## ENGLISH HONOURS: CORE COURSES

**DSE 2: World Literatures**

**6 Credit**

**DSE2T: World Literatures**

**6 Credit**

### Course Contents:

- V. S. Naipaul: *Bend in the River* (London: Picador, 1979).  
OR  
Jean Rhys, *Wide Sargasso Sea*
- Soyinka: *Dance of the Forest*
- Julio Cortazar: 'Blow-Up', in *Blow-Up and other Stories* (New York: Pantheon, 1985).
- Nadine Gordimer: 'The Bridegroom' (African Short Stories, ed., Achebe & C.L. Innes)
- Judith Wright: "Bora Ring", in *Collected Poems* (Sydney: Angus & Robertson, 2002) p. 8.
- Gabriel Okara, "The Mystic Drum" in *An Anthology of Commonwealth Poetry*, ed. C.D. Narasimhaiah (Delhi: Macmillan, 1990) pp. 132–3.

### Suggested Readings:

1. Rabindranath Tagore, *Vishwa Sahitya*, Sarkar & Sons, 1993.
2. Sarah Lawall, 'Preface' and 'Introduction', in *Reading World Literature: Theory, History, Practice*, ed. Sarah Lawall (Austin, Texas: University of Texas Press, 1994) pp. ix–xviii, 1–64.
3. David Damrosch, *How to Read World Literature?* (Chichester: Wiley-Blackwell, 2009) pp. 1–64, 65–85.
4. Franco Moretti, 'Conjectures on World Literature', *New Left Review*, vol.1 (2000), pp. 54–68.
5. Theo D'haen et. al., eds., 'Introduction', in *World Literature: A Reader* (London: Routledge, 2012).
6. John Pizer : *The Idea of World Literature: History and Pedagogical Practice*. Baton Rouge: Louisiana State University Press, 2006.
7. Lillian Herlands Hornhtin, *The Reader's Companion to World Literature*, Penguin, 2002.
8. Frank Magil, *Masterpieces of World Literature*, Collins Reference, 1991.

**OR**

**DSE 2: Modern Indian Writing in English Translation**

**6 Credit**

**DSE2T: Modern Indian Writing in English Translation**

**6 Credit**

### Course Contents:

#### FICTION

- Manik Bandyopadhyay, *The Boatman of the Padma*, tr., Ratan K. Chattopadhyay, (Orient Blackswan, 2012)  
OR
- G. Kalyan Rao, *Untouchable Spring*, tr. Alladi Uma and M. Sridhar (Delhi: Orient Blackswan, 2010)

## SHORTFICTION

- Premchand, 'The Shroud', in *Penguin Book of Classic Urdu Stories*, ed. M. Asaduddin (New Delhi: Penguin/ Viking, 2006).
- Utpalendu Mandal, 'Ghost Tiger', (*Writings from the Sunderbans, Delhi: Orient Blackswan, 2022*)

## POETRY

- Rabindranath Tagore, 'Where the mind is without Fear', *Gitanjali*, Poem 35.
- G.M. Muktibodh, 'The Void', (tr. Vinay Dharwadker) in *The Oxford Anthology of Modern Indian Poetry*, ed. Vinay Dharwadker and A.K. Ramanujan (New Delhi: OUP, 2000).
- Amrita Pritam, 'I Say unto Waris Shah', (tr. N.S. Tasneem) in *Modern Indian Literature: An Anthology, Plays and Prose, Surveys and Poems*, ed. K.M. George, vol.3(Delhi:SahityaAkademi,1992).

## DRAMA

- Badal Sircar: *Evam Indrajit, in Three Modern Indian Plays* (Oxford India Paperbacks, 1998)  
Or  
Dharamveer Bharati: *Andha Yug*, tr. Alok Bhalla (New Delhi: OUP, 2009).

## Suggested Readings:

1. Namwar Singh, 'Decolonising the Indian Mind', tr. Harish Trivedi, *Indian Literature*, no. 151 (Sept./Oct. 1992).
2. B.R. Ambedkar, *Annihilation of Caste* in *Dr. Babasaheb Ambedkar: Writings and Speeches*, vol. 1 (Maharashtra: Education Department, Government of Maharashtra, 1979) chaps. 4, 6, and 14.
3. Sujit Mukherjee, 'A Link Literature for India', in *Translation as Discovery* (Hyderabad: Orient Longman, 1994) pp. 34–45.
4. G.N. Devy, 'Introduction', from *After Amnesia* in *The G.N. Devy Reader* (New Delhi: Orient Blackswan, 2009) pp. 1–5.
5. Kaustav Chakraborty ed., *Indian Drama in English* (Prentice Hall India, 2014).

## ENGLISH HONOURS: CORE COURSES

### DSE 3: Literary Criticism

6 Credit

### DSE 3: Literary Criticism

6 Credit

#### Course Contents:

- LITERARY TYPES: Tragedy, Comedy, Lyric, Novel, Short Story  
(the discussion should also cover relevant literary terms like - Ballad, Elegy, Ode, Soliloquy, Catharsis, Hamartia, Three Unities, Anagnorisis, Chorus, Denouement, Comic relief, Aside, Catastrophe)

- LITERARY TERMS –  
Allegory, Ambiguity, Bildungsroman, Blank-Verse, Heroic Couplet, Bathos, Dramatic Monologue, Image, Carpe diem, Symbol, Antagonist, Anti-Hero, Magic Realism.

- OVERVIEW OF CLASSICAL CRITICAL TRADITION: Plato, Aristotle, Longinus, Horace
- OVERVIEW OF ENGLISH CRITICAL TRADITION: Renaissance, Neo-Classical, Sidney, Dryden, Pope, Johnson, Wordsworth, Coleridge, Arnold, Eliot

*(No text by any critic to be studied in detail)*

#### Suggested Readings:

- Critical Idiom series books on Tragedy, Comedy, Lyric, Short Story. Routledge
- New Critical Idiom series books on Tragedy, Comedy, Lyric, Fictionality, Genre. Routledge
- J. A. Cuddon : *The Penguin Dictionary of Literary Terms and Literary Theory*, Penguin, 2015
- M. H. Abrams : *A Glossary of Literary Terms*, Cengage India.
- C.S. Lewis: Introduction in *An Experiment in Criticism*, Cambridge University Press 1992
- M.H. Abrams: *The Mirror and the Lamp*, Oxford University Press, 1971
- Rene Wellek, Stephen G. Nicholas: *Concepts of Criticism*, Connecticut, Yale University 1963
- Taylor and Francis Eds. *An Introduction to Literature, Criticism and Theory*, Routledge, 1996
- Wimsatt and Brooks : *Literary Criticism : A Short History*, Oxford & IBH
- David Daiches : *Critical Approaches to Literature*, Orient Longman
- Harry Blamires : *A History of Literary Criticism*, Macmillan.
- B.Prasad : *An Introduction to English Criticism*, Macmillan.
- M. S. Nagrajan : *English Literary Criticism and Theory*. Orient Blackswan.

OR

### DSE 3: Literary Theory

6 Credit

### DSE 3: Literary Theory

6 Credit

#### Course Contents:

- Literary Theory: An Introduction & Terms related to Theory/Culture: 15 SELECTED TERMS (Abject, Aporia, Author, Carnival, Connotation and Denotation, Discourse, Écriture Féminine, Gaze, Hegemony, Ideology, Intertextuality, Marginality, Negritude, Subaltern, Unconscious)
- Marxism
- Psychoanalytic theory

- Eco-Criticism
- Feminism
- Black and Dalit Aesthetics/Subaltern Studies

*(No text of any theory to be studied in detail)*

**Suggested Readings:**

1. New Critical Idiom series books on Marxism, Ecocriticism, Feminism . Routledge
2. Jeremy Hawthorn:*A Glossary Of Contemporary Literary Theory*, Heritage, 2011
3. Peter Barry: *Beginning Theory*, Viva, New Delhi, 2010
4. Saugata Bhaduri & Simi Malhotra:*Literary Theory: An Introductory Reader*, Anthem, 2010.
5. David Lodge and Nigel Wood, *Modern Criticism and Theory: A Reader*: London & New York: Routledge, 2000.
6. Raman Selden, et al. *A Reader's Guide to Contemporary Literary Theory*. Kentucky:University Press of Kentucky, 1993.

**DSE 4: Partition Literature**

**6 Credit**

**DSE 4: Partition Literature**

**6 Credit**

**Course Contents:**

- Amitav Ghosh: *The Shadow Lines*.

**OR**

Khuswant Singh: *Train to Pakistan*

- Dibyendu Palit: 'Alam's Own House', tr. Sarika Chaudhuri, *Bengal Partition Stories: An Unclosed Chapter*, ed. Bashabi Fraser (London: Anthem Press, 2008)pp. 453– 72.
- Hasan Azizul Haq: 'Parabasi' (*The Bleeding Border*, Niyogi Books, 2022)
- Satinath Bhaduri: 'Gananayak' (*The Bleeding Border*, Niyogi Books, 2022)
- Saadat Hasan Manto, 'TobaTekSingh', in *Black Margins: Manto*, tr. M. Asaduddin (New Delhi: Katha, 2003) pp.212–20.
- Jibananda Das, 'I Shall Return to This Bengal', tr.Sukanta Chaudhuri, in *Modern Indian Literature* (New Delhi: OUP,2004)pp.8–13.
- Faiz Ahmad Faiz, 'For your Lanes, My Country' in *English: Faiz Ahmed Faiz, A Renowned Urdu Poet*, tr. & ed. Riz Ramhim.California:Xlibris2008(p138).

**Suggested Readings:**

1. Ritu Menon and Kamla Bhasin, 'Introduction', in *Borders and Boundaries* (New Delhi: Kali for Women, 1998).
2. Sukrita P. Kumar, *Narrating Partition* (Delhi: Indialog, 2004).
3. Urvashi Butalia, *The Other Side of Silence: Voices from the Partition of India* (Delhi: Kali for Women, 2000).
4. Sigmund Freud, 'Mourning and Melancholia', in *The Complete Psychological Works of Sigmund Freud*, tr. James Strachey (London: Hogarth Press, 1953) pp. 3041–53.
5. Daniela Rogobete and Elisabetta Marino, Eds.: *The Partition of India : Beyond Improbable Lines* , Cambridge Scholars, 2018
6. Gyanendra Pandey:*Remembering Partition*. Cambridge University Press. Cambridge,2001.

**OR**



## DSE 4: Literature of The Indian Diaspora

6 Credit

## DSE 4: Literature of The Indian Diaspora

6 Credit

### Course Contents:

#### NOVEL

- Rohinton Mistry: *A Fine Balance* (AlfredA Knopf)
- Chitra Banerjee Divakaruni: *The Palace of Illusions*

#### SHORT STORY:

- Jhumpa Lahiri: Mrs. Sen's, Unaccustomed Earth, A Choice of Accommodations, Interpreter of Maladies, (Any Two) (Delhi: Harper Collins Publishers India, 2005)

#### POETRY

- Uma Parameswaran : Selections from 'Trishanku' ['Invocation – The Poet'], in *Trishanku and Other Writings*, Prestige, New Delhi, 1988
- Sujata Bhatt: 'The One Who Goes Away', in *Collected Poems of Sujata Bhatt*, Carcanet Press, UK
- Vikram Seth: 'A Little Distance', in *Indian Poetry in English*, Ed. M. Paranjape

#### NON-FICTION

- Salman Rushdie: 'Imaginary Homelands' in *Imaginary Homelands* (London: Vintage, 2010)

### Suggested Readings:

1. Vijay Mishra : *Literature of the Indian Diaspora: Theorizing the Diasporic Imaginary*. London: Routledge, 2008
2. V.Kalra, R. Kaur, and J. Hutynuk : *Diaspora & hybridity*. London: Sage Publications,2005.
3. Salman Rushdie : *Imaginary Homelands*.London: Granta Books, 1991.
4. Homi, Bhabha, *The Location of Culture*, Routledge: London, 1994
5. R.K Jain,and Jasbir Jain (eds.): *Writers of the Indian Diaspora*. Rawat Publications:Jaipur 1998
6. William Safran : *Diasporas in Modern Societies Myths of Homelands and Return*. Diaspora II, Spring, 1991
7. Himadri Lahiri : *Diaspora Theory And Transnationalism*, Orient Blackswan, 2019.

***ENGLISH HONOURS:***

***SEC COURSES***

## ENGLISH HONOURS: CORE COURSES

### SEC 1: English Language Teaching

2 Credit

### SEC1T: English Language Teaching

2 Credit

#### Course Contents:

- Knowing the Learner
- Basic Phonetics: Speech organs, Vowel & Consonant sounds
- Structures of English Language
- Methods of Teaching English Language and Literature
- Materials for Language Teaching
- Assessing Language Skills
- Using Technology in Language Teaching

#### Suggested Readings:

1. Penny Ur, *A Course in Language Teaching: Practice and Theory* (Cambridge: CUP, 1996).
2. Marianne Celce-Murcia, Donna M. Brinton, and Marguerite Ann Snow, *Teaching English as a Second or Foreign Language* (Delhi: Cengage Learning, 4th edn, 2014).
3. Adrian Doff, *Teach English: A Training Course for Teachers (Teacher's Workbook)*(Cambridge: CUP, 1988).
4. *Business English* (New Delhi: Pearson, 2008).
5. R.K. Bansal and J.B. Harrison, *Spoken English: A Manual of Speech and Phonetics*(New Delhi: Orient BlackSwan, 4th edn, 2013).
6. Mohammad Aslam, *Teaching of English* (New Delhi: CUP, 2nd edn, 2009).

OR

### SEC 1: Soft Skills

2 Credit

### SEC1T: Soft Skills

2 Credit

#### Course Contents:

- What is soft skill?
- Teamwork,
- Emotional Intelligence
- Adaptability,
- Leadership,
- Problem solving
- Development of Soft skills: Precis; Comprehension; Essays

#### Suggested Readings:

1. Mohanraj, Jayashree, (2015). *Skill Sutras: Modern Communication and Ancient Wisdom*. Bangalore, Prism Books
2. Raamesh, Gopalaswamy. (2010). *The ACE of Soft Skills*. New Delhi, Pearson.
3. Mitra, K Barun. (2012). *Personality Development and Soft Skills*. New Delhi, OUP.

**SEC 2: Creative Writing** **2 Credit**

**SEC2T: Creative Writing** **2 Credit**

**Course Contents:**

- a) **Unit 1:** What is Creative Writing?
- b) **Unit 2:** The Art and Craft of Writing
- c) **Unit 3:** Modes of creative Writing
- d) **Unit 4:** Writing for the Media
- e) **Unit 5:** Preparing for Publication

**Suggested Readings:**

1. Dev, Anjana Neira (2009). *Creative Writing: A Beginner's Manual*. Pearson, Delhi, 2009.
2. Morley, David (2007). *The Cambridge Introduction to Creative Writing*. Cambridge, New York.

**OR**

**SEC 2: Translation Studies** **2 Credit**

**SEC2T: Translation Studies** **2 Credit**

**Course Contents:**

1. Introducing Translation: a brief history and significance of translation in a multi-linguistic and multicultural society like India.
2. Exercises in different Types/modes of translation, such as:
  - a) Semantic/ Literal translation
  - b) Free/ sense/literary translation
  - c) Functional/communicative translation
3.
  - a) Introducing basic concepts and terms used in Translation Studies through relevant tasks, for example: Equivalence, Language variety, Dialect, Idiolect, Register, Style, Mode, Code-mixing/ Switching.
  - b) Translation in Practice.
4. Defining the process of translation (analysis, transference, restructuring) through critical examination of standard translated literary/non-literary texts and critiquing subtitles of English and Hindi films.

**Suggested Readings:**

1. Lawrence Venuti, *Essays in The Translation Studies Reader*, London: Routledge, 2000.
2. Andre Lefevere, *Translation/History/Culture: A Sourcebook*, London: Routledge, 1992.
3. Harish Trivedi and Susan Bassnett, Introduction to *Postcolonial Translation: Theory and Practice* (London: Routledge, 1999)
4. Avadhesh Kumar Singh, "Translation Studies in the 21st Century", *Translation Today*, Vol. 8, Number 1, 2014, pp. 5-45. Susan Bassnett, *Translation Studies*, London: Routledge, 1998.

**Generic Elective (GE)**  
**ENGLISH**  
*for*  
***HONS. Students of other***  
***disciplines***

**GE-1: Academic Writing and Composition** **6 Credit**

**GE1T: Academic Writing and Composition** **2 Credit**

**Course Contents:**

- Introduction to the Writing Process and Conventions of Academic Writing,
- Study Skills including note making, note taking etc.
- Writing in one's own words – Summarizing and Paraphrasing
- Structuring an Argument: Introduction, Interjection, and Conclusion
- Remedial Grammar
- Citing Resources, Editing, Book and Media Review

**Suggested Readings:**

1. Liz Hamp-Lyons and Ben Heasley, *Studywriting: A Course in Writing Skills for Academic Purposes* (Cambridge: CUP, 2006).
2. Renu Gupta, *A Course in Academic Writing* (New Delhi: Orient Black Swan, 2010).
3. Ilona Leki, *Academic Writing: Exploring Processes and Strategies* (New York: CUP, 2nd edn, 1998).
4. Gerald Graff and Cathy Birkenstein, *They Say/ I Say: The Moves That Matter in Academic Writing* (New York: Norton, 2009).
5. John M. Swales, *Academic Writing for Graduate Students*
6. A. J. Thompson & A. V. Martinet, *A Practical English Grammar (4th Edition)*, Oxford
7. F.T. Wood, *A Remedial English Grammar for Foreign Students*, Trinity
8. Martin Hewings, *Advanced English Grammar*, Cambridge
9. Sidney Greenbaum, *Oxford English Grammar* (Oxford University Press, 1996)

**GE-2: Gender and Human Rights** **6 Credit**

**GE2T: Gender and Human Rights** **6 Credit**

**Course Contents:**

- **Poetry**  
Meena Kandasamy "Aggression"
- **Short Story**  
Temsula Ao : "Laburnum for My Head"  
Hansda Sowvendra Shekhar : "The Adivasi Will Not Dance", "Baso-jhi" , from *The Adivasi Will Not Dance*, Speaking Tiger, New Delhi, 2015
- **Essay**  
Virginia Woolf "Professions for Women", from *The Death of the Moth and Other Essays*  
Section V - "The Human Rights Framework in Practice" from *Women's Rights are Human Rights* UNHR, 2014.

## Suggested Readings:

1. Michel Foucault, *The History of Sexuality*. London: Penguin, 1990.
2. Sandra M. Gilbert and Susan Gubar. *The Madwoman in the Attic: The Woman Writer and the Nineteenth-century Literary Imagination*. New Haven: Yale UP, 1979.
3. Elizabeth Jackson, *Feminism and Contemporary Indian Women's Writing*. Palgrave Macmillan, 2010.
4. Priyam Banerjee & Menon: *Human Rights, Gender and the Environment*, Pearson, 2009
5. Temsula Ao: *Laburnum for My Head: Stories*, Penguin India, 2009
6. Virginia Woolf: *The Death of the Moth and Other Essays*, Harcourt Brace, New York, 1942
7. Meena Kandasamy, *Touch*, 2006, Peacock Books, India
8. *Women's Rights are Human Rights* UNHR, Geneva & New York, 2014 ( URL - <https://www.ohchr.org/sites/default/files/Documents/Events/WHRD/WomenRightsAreHR.pdf>)
9. Meena Anand, ed. *Dalit Women: Fear and Discrimination*. Delhi: Isha Books, 2005.
10. Abin Chakraborty. "Venomous Touch: Meena Kandasamy and the Poetics of Dalit Resistance." *Postcolonial Text* 4.4 (2008): 3.

## GE-3: Environment & Literature

6 Credit

## GE3T: Gender and Human Rights

6 Credit

### Course Contents:

- Nature in Oriental & Western Thought, Deep Ecology, Third World Environmentalism.
- Gordon J. L. Ramel. 'Daffodils No More'
- Mahasweta Devi. 'Pterodactyl, Puran Sahay and Pirtha'
- Ruskin Bond. 'Dust on the Mountains',

## Suggested Readings:

1. Cheryll Glotfelty, Harold Fromm. Eds., *The Ecocriticism Reader: Landmarks in Literary Ecology*, Athens, Georgia: University of Georgia Press, 1996
2. Bill Devall & George Sessions: *Deep Ecology: Living as If Nature Mattered*, Gibbs M. Smith Inc, 1985
3. George Sessions: *Deep Ecology for the Twenty-First Century: Readings on the Philosophy and Practice of the New Environmentalism*, Shambhala Publications Inc, 1995
4. Mahasweta Devi: *Imaginary Maps*, (tr. G.C. Spivak), Routledge, 1995
5. Vasudha Narayanan 'Water, Wood, and Wisdom: Ecological Perspectives from the Hindu Traditions'
6. Allen Carlson. *Environmental Aesthetics*
7. Preeti Ranjan Ghosh. "Towards an Understanding of Environmental Aesthetics: Some Reflections", *The Philosophical Quarterly*, 1998
8. Beth Fowkes Tobin. *Colonizing Nature*
9. Vasudha Narayanan. *Water, Wood and Wisdom*

**GE-4: Contemporary India: Women and Empowerment**

**6 Credit**

**GE4T: Contemporary India: Women and Empowerment**

**6 Credit**

**Course Contents:**

- Social Construction of Gender: Masculinity, Femininity, Patriarchy
- Women and Law: Women and the Indian Constitution, Domestic violence, Sexual harassment
- Female Voices:  
Rokeya Sakhawat Hussain – *Sultana's Dream*  
Bama Faustina Soosairaj – *Karukku*

**Suggested Readings:**

1. David Glover. *Gender*. New York: Routledge New Critical Idiom Series.
2. Judith Lorber & Susan A. Farrell: *The Social Construction of Gender* (A Gender & Society Reader)
3. Veena Oldenburg. *Dowry Murders: The Imperial Origins of a Cultural Crime*
4. Attia Hussein. *Translating Partition*. New Delhi: Katha
5. Brinda Bose. *Translating Desire*. New Delhi: Katha
6. Radha Kumar. *The History of Doing: The Women's Movement in India*
7. Kalpana Kannabiran. *Women and Law Critical Feminist Perspectives*
8. Carolyn Merchant. *Earthcare: Women and the Environment*.
9. Nivedita Menon: *Sexualities: Issues in Contemporary Indian Feminisms*
10. Nivedita Menon: *Gender and Politics in India*
11. Urvashi Butalia: *The Other Side of Silence*
12. Flavia Agnes. Ed. *Women and Law in India: An Omnibus*

**\*\*\*END\*\*\***





Phone: 7908040652/7501133806

## SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014  
P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650  
[www.amdabadcollege.in](http://www.amdabadcollege.in) | Email: [sjmahavidyalaya@gmail.com](mailto:sjmahavidyalaya@gmail.com)

### 7.1.3 Integration of sustainability principles into the curriculum to foster a culture of environmental responsibility

#### SUBJECT: GEOGRAPHY

Programme	Course type	Course number	Course Title	Content relating to environment and sustainability
BSc Honours	Honours Core	CC3	Human Geography	Human population and environment with special reference to development–environment conflict
BSc Honours	Honours Core	CC10	Environmental Geography	All topics.
BSc Honours	Honours Core	CC14	Disaster Management	All topics
BSc Honours	Discipline Specific Elective	DSE2	Resource Geography	Limits to Growth and Sustainable Use of Resources; Concept of Resource sharing
BSc Honours	Discipline Specific Elective	DSE3	Soil and Biogeography	Deforestation: Causes, consequences and management. Bio-diversity: Definition, types, threats and conservation measures



Phone: 7908040652/7501133806

# SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014

P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650

[www.amdabadcollege.in](http://www.amdabadcollege.in) | Email: [sjmahavidyalaya@gmail.com](mailto:sjmahavidyalaya@gmail.com)

**Syllabus with issues relating to  
environment and sustainability  
identified above marked up  
(in bright pink)**

# VIDYASAGAR UNIVERSITY



## Curriculum for 3-Year BSc (HONOURS) in Geography

Under Choice Based Credit System (CBCS)  
w.e.f 2017-2018

# VIDYASAGAR UNIVERSITY

## B Sc (Honours) in Geography

[Choice Based Credit System]

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks		
							CA	ESE	TOTAL
<b>Semester-I</b>									
1	I	Core-1		CT1: Geotectonics and Geomorphology	6	5-1-0	15	60	75
		Core-2		CT2: Cartographic Techniques	6	4-0-4	15	60	75
				CP2 Cartographic Techniques - lab					
		GE-1		TBD	6	4/5	15	60	75
				TBD					
		AECC-1		English/MIL	2	1-1-0	10	40	50
<b>Semester –I: total</b>					<b>20</b>				<b>275</b>
<b>Semester-II</b>									
1	II	Core-3		CT3: Human Geography	6	5-1-0	15	60	75
		Core-4		CT4: Cartograms and Thematic Mapping	6	4-0-4	15	60	75
				CP4:Cartography - Lab					
		GE-2		TBD	6	4/5	15	60	75
				TBD					
		AECC-2		ENVS	4		20	80	100
<b>Semester-II : total</b>					<b>22</b>				<b>325</b>

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks			
							CA	ESE	TOTAL	
<b>Semester-III</b>										
2	III	Core-5		CT5: Climatology	6	5-1-0	15	60	75	
		Core-6		CT6: Statistical methods in Geography	6	4-0-4	15	60	75	
				CP6: Statistical methods in Geography						
		Core-7		CT7: Geography of India	6	5-1-0	15	60	75	
		GE-3		TBD	6	4/5	15	60	75	
						2/1				
	SEC-1		TBD	2	1-1-0	10	40	50		
	<b>Semester – III : total</b>					<b>26</b>				<b>350</b>
	<b>Semester-IV</b>									
	IV	Core-8		CT8: Regional Planning and development	6	5-1-0	15	60	75	
Core-9			CT9: Economic Geography	6	5-1-0	15	60	75		
Core-10			CT10: Environmental Geography	6	4-0-4	15	60	75		
			CP10: Environmental Geography- Lab							
GE-4			TBD	6	4/5	15	60	75		
					2/1					
SEC-2		TBD	2	1-1-0	10	40	50			
<b>Semester – IV : total</b>					<b>26</b>				<b>350</b>	

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks		
							CA	ESE	TOTAL
		<b>Semester-V</b>							
<b>3</b>	<b>V</b>	Core-11		CT11: Field work and Research Methodology	6	4-0-4	15	60	75
				CP11 : Field work and Research Methodology-Lab					
		Core-12		CT12: Remote sensing and GIS	6	4-0-4	15	60	75
				CP12: Remote sensing and GIS-Lab					
		DSE-1		TBD	6	5-1-0	15	60	75
		DSE-2		TBD	6	5-1-0	15	60	75
<b>Semester –V : total</b>					<b>24</b>				<b>300</b>
		<b>Semester-VI</b>							
	<b>VI</b>	Core-13		CT13: Evolution of Geographical thought	6	5-1-0	15	60	75
				CT14: Disaster Management					
		Core-14		CP14: Disaster Management based Project Work	6	4-0-4	15	60	75
		DSE-3		TBD	6	5-1-0	15	60	75
DSE-4		TBD	6	5-1-0	15	60	75		
<b>Semester – VI : total</b>					<b>24</b>				<b>300</b>
<b>Total in all semester:</b>					<b>142</b>				<b>1900</b>

**CC** = Core Course , **AECC** = Ability Enhancement Compulsory Course , **GE** = Generic Elective , **SEC** = Skill Enhancement Course , **DSE** = Discipline Specific Elective , **CA**= Continuous Assessment , **ESE**= End Semester Examination , **TBD**=To be decided , **CT** = Core Theory, **CP**=Core Practical , **L** = Lecture, **T** = Tutorial ,**P** = Practical , **MIL** = Modern Indian Language , **ENVS** = Environmental Studies ,

**List of Core Course (CC)**

- CC-1: Geotectonics and Geomorphology**
- CC-2: Cartographic Techniques**
- CC-3: Human Geography**
- CC-4: Cartograms and Thematic Mapping**
- CC-5: Climatology**
- CC-6: Statistical Methods in Geography**
- CC-7: Geography of India**
- CC-8: Regional Planning and Development**
- CC-9: Economic Geography**
- CC-10: Environmental Geography**
- CC-11: Field Work and Research Methodology**
- CC-12: Remote Sensing and GIS**
- CC-13: Evolution of Geographical Thought**
- CC-14: Disaster Management**

**Discipline Specific Electives (DSE)**

- DSE-1: Hydrology and Oceanography**
- Or**
- DSE-1: Geography of Health and Wellbeing**
- Or**
- DSE-1: Cultural and Settlement Geography**
- DSE-2: Resource Geography**
- Or**
- DSE-2: Fluvial Geomorphology**
- Or**
- DSE-2: Social Geography**
- DSE-3: Population Geography**
- Or**
- DSE-3: Political Geography**
- Or**
- DSE-3: Soil and Biogeography**
- DSE-4: Agricultural Geography**
- Or**
- DSE-4: Urban Geography**
- Or**
- DSE-4: Project Work**

**Skill Enhancement Course (SEC)**

- SEC-1: Coastal Management**
- Or**
- SEC-1: Computer Basics and Computer Application**
- SEC-2: Research Methods**
- Or**
- SEC-2: Advanced Spatial Statistical Techniques**

**Generic Electives (GE)**

- GE- 1: Disaster Management**

**GE- 2: Geospatial Technology**

**GE-3: Geography of Tourism**

**Or**

**GE3: Rural Development**

**GE-4: Regional Development**

**Or**

**GE-4: Sustainable Development**

**Or**

**GE-4: Climate Change: Vulnerability and Adaptations**



## Core Course

### **CC-T: Geotectonics and Geomorphology**

**Credits 06**

### **C1T: Geotectonics and Geomorphology**

#### **Unit I: Geotectonics**

**2 Credits**

1. Earth's tectonic and structural evolution with reference to geological time scale
2. Earth's interior with special reference to seismology. Isostasy: Models of Airy and Pratt
3. Plate Tectonics: Processes at constructive, conservative, destructive margins and hotspots; resulting landforms
4. Folds and Faults—origin and types

#### **Unit II: Geomorphology**

**4 Credits**

1. Degradational processes: Weathering, mass wasting and resultant landforms
2. Processes of entrainment, transportation and deposition by different geomorphic agents. Role of humans in landform development.
3. Development of river network and landforms on uniclinal and folded structures
4. Landforms on igneous rocks with special reference to Granite and Basalt
5. Karst landforms: Surface and sub-surface. Coastal processes and landforms.
6. Glacial and fluvio-glacial processes and landforms; fluvio-glacial landforms
7. Aeolian and fluvio-aeolian processes and landforms; fluvio-aeolian processes
8. Models on landscape evolution: Views of Davis, Penck, King and Hack

#### **Reference Books**

- Bloom A. L., 2001: Geomorphology: A Systematic Analysis of Late Cenozoic Landforms, Prentice-Hall of India, Third edition, New Delhi.
- Bridges E. M., 1990: World Geomorphology, Cambridge University Press, Cambridge.
- Christopherson, Robert W., (2011), Geosystems: An Introduction to Physical Geography, 8 Ed., Macmillan Publishing Company
- Kale V. S. and Gupta A., 2001: Introduction to Geomorphology, Orient Longman, Hyderabad.
- Knighton A. D., 1984: Fluvial Forms and Processes, Edward Arnold Publishers, London.
- Selby, M.J., (2005), Earth's Changing Surface, Indian Edition, OUP
- Skinner, Brian J. and Stephen C. Porter (2000), The Dynamic Earth: An Introduction to physical Geology, 4th Edition, John Wiley and Sons
- Thornbury W. D., 1969: Principles of Geomorphology, Wiley.

**CC-2: Cartographic Techniques****Credits 06****C2T: Cartographic Techniques****Credits 04**

1. Maps: Classification and types. Components of a map.
2. Concept and application of scales: Plain, comparative, diagonal and vernier
3. Coordinate systems: Polar and rectangular. Concept of geoid and spheroid
4. Concept of generating globe. Grids: angular and linear systems of measurement
5. Bearing: Magnetic and true, whole-circle and reduced.
6. Map projections: Classification, properties and uses. Concept and significance of UTM projection.
7. Basic concepts of surveying and survey equipment: Prismatic compass, dumpy level, theodolite, Abney level, clinometer.
8. Survey of India topographical maps: Reference scheme of old and open series. Information on the margin of maps

**Reference Books**

- Anson R. and Ormelling F. J., 1994: International Cartographic Association: Basic Cartographic Vol. Pregmen Press.
- Gupta K.K. and Tyagi, V. C., 1992: Working with Map, Survey of India, DST, New Delhi.
- Mishra R.P. and Ramesh, A., 1989: Fundamentals of Cartography, Concept, New Delhi.
- Monkhouse F. J. and Wilkinson H. R., 1973: Maps and Diagrams, Methuen, London.
- Rhind D. W. and Taylor D. R. F., (eds.), 1989: Cartography: Past, Present and Future, Elsevier, International Cartographic Association.
- Robinson A. H., 2009: Elements of Cartography, John Wiley and Sons, New York.
- Singh R. L. and Singh R. P. B., 1999: Elements of Practical Geography, Kalyani Publishers.
- Sarkar, A. (2015) Practical Geography: A systematic approach. Orient Black Swan Private Ltd., New Delhi

**C2P : Cartographic Techniques Lab****Credits 02**

*A Project File, comprising one exercise each is to be submitted*

1. Graphical construction of scales: Plain, comparative, diagonal and vernier
2. Construction of projections: Polar Zenithal Stereographic, Simple conic with two standard parallels, Bonne's, Cylindrical Equal Area, and Mercator's.
3. Delineation of drainage basin from Survey of India topographical map. Construction and interpretation of relief profiles (superimposed, projected and composite), relative relief map, slope map (Wentworth), and stream ordering (Strahler) on a drainage basin.
4. Correlation between physical and cultural features from Survey of India topographical maps. using transect chart

## **CC-3: Human Geography**

**Credits 06**

### **C3T:Human Geography**

#### **Unit I: Nature and Principles**

**2 Credits**

1. Nature and scope and recent trends. Elements of Human Geography
2. Approaches to the study of Human Geography; Resource, Locational, Landscape, Environmental
3. Evolution of humans. Concept of race and ethnicity
4. Space, society and cultural regions (language and religion)

#### **Unit :II: Society, Demography and Ekistics**

**4 Credits**

1. Evolution of human societies: Hunting and food gathering, pastoral nomadism, subsistence farming, industrial and urban societies
2. Human adaptation to environment: Eskimo, Masai, Jarwa, Gaddi, Santhals.
3. Population growth and distribution, population composition; demographic transition model
4. Population–Resource regions (Ackerman)
5. Human population and environment with special reference to development–environment conflict
6. Social morphology and rural house types in India
7. Types and patterns of rural settlements
8. Types and patterns of urban settlements

#### **Reference Books**

- Bergman, E.F (1995): Human Geography-Culture, Connections and Landscape, Prentice Hall, New Jersey
- Chisholm. (1975): Human Geography, Penguin Books, Hermondsworth.
- Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver & Boyd, London.
- Johnston R; Gregory D, Pratt G. et al. (2008) The Dictionary of Human Geography, Blackwell Publication.
- Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
- Norton. W. (2001): Human Geography, 4th Edition Oxford University press, Oxford
- Pearce D. (1995): Tourism Today: A Geographical Analysis, 2nd edition, Longman Scientific & Technical, London
- Pickering K. and Owen A. A. (1997): An Introduction to Global Environmental Issues, 2nd edition Rutledge, London.
- Raw, M. (1986): Understanding Human Geography: A Practical Approach, Bell and Hyman. London
- Rubenstein, J.M. (2002), The Cultural Landscape, 7th edition, Prentice Hall, Englewood Cliffs
- Smith D M (1982): Human Geography: A Welfare Approach, Edward Arnold, London

## **CC-4 : Cartograms and Thematic Mapping**

**Credits 06**

### **C4 T : Cartograms and Thematic Mapping**

**Credits 04**

1. Concepts of rounding, scientific notation, logarithm and anti-logarithm, natural and log scales
2. Diagrammatic representation of data: Line, Bar, and Circle
3. Representation of point data: Isopleths.
4. Representation of area data: Dots, proportional circles and choropleth
5. Preparation and interpretation of large scale thematic maps: Geomorphological maps
6. Preparation and interpretation of large scale thematic maps: Climatological maps
7. Preparation and interpretation of large scale thematic maps: Landuse landcover maps
8. Preparation and interpretation of large scale thematic maps: Socio-economic maps

#### **Reference Books**

- Cuff J. D. and Mattson M. T., 1982: Thematic Maps: Their Design and Production, Methuen Young Books
- Dent B. D., Torguson J. S., and Holder T. W., 2008: Cartography: Thematic Map Design (6th Edition), Mcgraw-Hill Higher Education
- Gupta K. K. and Tyagi V. C., 1992: Working with Maps, Survey of India, DST, New Delhi.
- Kraak M.-J. and Ormeling F., 2003: Cartography: Visualization of Geo-Spatial Data, Prentice-Hall.
- Mishra R. P. and Ramesh A., 1989: Fundamentals of Cartography, Concept, New Delhi.
- Singh R. L. and Singh R. P. B., 1999: Elements of Practical Geography, Kalyani Publishers.
- Slocum T. A., McMaster R. B. and Kessler F. C., 2008: Thematic Cartography and Geovisualization (3rd Edition), Prentice Hall.
- Tyner J. A., 2010: Principles of Map Design, The Guilford Press.
- Sarkar, A. (2015) Practical geography: A systematic approach. Orient Black Swan Private Ltd., New Delhi

### **C4 P: Cartography (Lab)**

**Credits 02**

#### **Cartography**

*A Project File, comprising one exercise each is to be submitted*

1. Traverse survey using Prismatic Compass
2. Levelling by Dumpy Level and Prismatic Compass
3. Thematic maps: Proportional squares, pie diagrams with proportional circles, dots and spheres
4. Thematic maps: Choropleth, isoline map, chorochromatic map

**CC -5: Climatology****Credits 06****C5T: Climatology****Unit I: Elements of the Atmosphere****2 Credits**

1. Nature, composition and layering of the atmosphere,
2. Isolation: controlling factors. Heat budget of the atmosphere.
3. Temperature: horizontal and vertical distribution. Inversion of temperature: types, causes and consequences.
4. Greenhouse effect and importance of ozone layer.

**Unit II: Atmospheric Phenomena and Climatic Classification****4 Credits**

1. Condensation: Process and forms. Mechanism of precipitation: Bergeron-Findeisen theory, collision and coalescence. Forms of precipitation.
2. Air mass: Typology, origin, characteristics and modification.
3. Fronts: warm and cold; frontogenesis and frontolysis.
4. Weather: stability and instability; barotropic and baroclinic conditions.
5. Circulation in the atmosphere: Planetary winds, jet stream, index cycle
6. Tropical and mid-latitude cyclones
7. Monsoon circulation and mechanism with reference to India
8. Climatic classification after Köppen, Thornthwaite and Oliver

**Suggested Readings:**

- Barry R. G. and Carleton A. M., 2001: Synoptic and Dynamic Climatology, Routledge, UK.
- Barry R. G. and Corley R. J., 1998: Atmosphere, Weather and Climate, Routledge, New York.
- Critchfield H. J., 1987: General Climatology, Prentice-Hall of India, New Delhi
- Lutgens F. K., Tarbuck E. J. and Tasa D., 2009: The Atmosphere: An Introduction to Meteorology, Prentice-Hall, Englewood Cliffs, New Jersey.
- Oliver J. E. and Hidore J. J., 2002: Climatology: An Atmospheric Science, Pearson Education, New Delhi.
- Trewartha G. T. and Horne L. H., 1980: An Introduction to Climate, McGraw-

**CC-6: Statistical Methods in Geography****Credits 06****C6T: Statistical Methods in Geography****Credits 04****Unit I****2 Credits**

1. Importance and significance of Statistics in Geography. Discrete and continuous data, population and samples, scales of measurement (nominal, ordinal, interval and ratio), sources of data
2. Collection of data and formation of statistical tables
3. Sampling: Need, types, and significance and methods of random sampling
4. Theoretical distribution: frequency, cumulative frequency, normal and probability

**Unit II****2 Credits**

1. Central tendency: Mean, median, mode, partition values

2. Measures of dispersion range, mean deviation, standard deviation, coefficient of variation
3. Association and correlation: Rank correlation, product moment correlation
4. Regression (linear and non-linear ) and time series analysis (moving average)

**Suggested Readings:**

- Berry B. J. L. and Marble D. F. (eds.): Spatial Analysis – A Reader in Geography.
- Ebdon D., 1977: Statistics in Geography: A Practical Approach.
- Hammond P. and McCullagh P. S., 1978: Quantitative Techniques in Geography: An Introduction, Oxford University Press.
- King L. S., 1969: Statistical Analysis in Geography, Prentice-Hall.
- Mahmood A., 1977: Statistical Methods in Geographical Studies, Concept.
- Pal S. K., 1998: Statistics for Geoscientists, Tata McGraw Hill, New Delhi.
- Sarkar, A. (2013) Quantitative geography: techniques and presentations. Orient Black Swan Private Ltd., New Delhi
- Silk J., 1979: Statistical Concepts in Geography, Allen and Unwin, London.
- Spiegel M. R.: Statistics, Schaum's Outline Series.
- Yeats M., 1974: An Introduction to Quantitative Analysis in Human Geography, McGraw Hill, New York.

**C6 P – Statistical Methods in Geography**

**Credits 02**

*A Project File, comprising one exercise each is to be submitted*

1. Construction of data matrix with each row representing an aerial unit (districts / blocks / *mouzas* / towns) and corresponding columns of relevant attributes.
2. Based on the above, a frequency table, measures of central tendency and dispersion would be computed and interpreted.
3. Histograms and frequency curve would be prepared on the dataset.
4. From the data matrix a sample set (20%) would be drawn using, random, systematic and stratified methods of sampling and locate the samples on a map with a short note on methods used.
5. Based on of the sample set and using two relevant attributes, a scatter diagram and regression line would be plotted and residual from regression would be mapped with a short interpretation.

**CC7: Geography of India****Credits 06****C7T: Geography of India****Unit I: Geography of India****Credits 04**

1. Tectonic and stratigraphic provinces, physiographic divisions
2. Climate, soil and vegetation: Characteristics and classification
3. Population: Distribution, growth, structure and policy
4. Distribution of population by race, caste, religion, language, tribes and their correlates
5. Agricultural regions. Green revolution and its consequences
6. Mineral and power resources distribution and utilisation of iron ore, coal, petroleum, gas;
7. Industrial development: Automobile and information technology
8. Regionalisation of India: Physiographic (R. L. Singh), Socio-cultural (Sopher) and Economic (Sengupta)

**Unit II: Geography of West Bengal****Credits 02**

1. Physical perspectives: Physiographic divisions, forest and water resources
2. Population: Growth, distribution and human development
3. Resources: Mining, agriculture and industries
4. Regional Problem: Darjeeling Hills, Jangalmahal and Sundarban

**Suggested Readings:**

- Deshpande C. D., 1992: India: A Regional Interpretation, ICSSR, New Delhi.
- Johnson, B. L. C., ed. 2001. Geographical Dictionary of India. Vision Books, New Delhi.
- Mandal R. B. (ed.), 1990: Patterns of Regional Geography – An International Perspective. Vol. 3 – Indian Perspective.
- Sdyasuk Galina and P Sengupta (1967): Economic Regionalisation of India, Census of India
- Sharma, T. C. 2003: India - Economic and Commercial Geography. Vikas Publ., New Delhi.
- Singh R. L., 1971: India: A Regional Geography, National Geographical Society of India.
- Singh, Jagdish 2003: India - A Comprehensive & Systematic Geography, Gyanodaya Prakashan, Gorakhpur.
- Spate O. H. K. and Learmonth A. T. A., 1967: India and Pakistan: A General and Regional Geography, Methuen.
- Tirtha, Ranjit 2002: Geography of India, Rawat Pubs., Jaipur & New Delhi.
- Pathak, C. R. 2003: Spatial Structure and Processes of Development in India. Regional Science Assoc., Kolkata.
- Tiwari, R.C. (2007) Geography of India. Prayag Pustak Bhawan, Allahabad
- Sharma, T.C. (2013) Economic Geography of India. Rawat Publication, Jaipur



## **CC-8: Regional Planning and Development**

**Credits 06**

### **C8T:Regional Planning and Development**

#### **Unit I: Regional Planning**

**2 Credits**

1. Concept of regions: Types of regions and their delineation.
2. Types of planning, principles and objectives of regional planning, multi- level planning in India
3. Tools and techniques of regional planning, need for regional planning in India
4. Metropolitan concept: metropolitan areas, and urban agglomerations

#### **Unit I: Regional Development**

**4 Credits**

1. Development: Meaning, growth versus development
2. Concept and strategies of regional development with reference to India
3. Theories and models for regional development : Growth pole model of perroux; growth centre model in Indian context
4. Theories and models for regional development: Cumulative causation (Myrdal) and core periphery (Hirschman, Rostov and Friedman)
5. Changing concept of development, concept of underdevelopment; efficiency-equity debate
6. Indicators of development: Economic, social and environmental. Human development.
7. Regional development in India, regional inequality, disparity and diversity
8. Need and measures for balanced development in India

#### **Reference Books**

- Berry, B.J.L. and Horton, F.F. (1970): Geographic Perspectives on Urban Systems. Prentice Hall, New Jersey.
- Bhat L.S. (1972): Regional Planning In India, Statistical Publishing Society
- Blij H. J. De, 1971: Geography: Regions and Concepts, John Wiley and Sons.
- Chand ,M and Puri V.K. ( 1983) : Regional planning In India , allied publishers , New Delhi
- Claval P.I, 1998: An Introduction to Regional Geography, Blackwell Publishers, Oxford and Massachusetts.
- Dickinson, R.E. (1964): City and Region, Rutledge, London.
- Friedmann J. and Alonso W. (1975): Regional Policy - Readings in Theory and Applications, MIT Press, Massachusetts.
- Gore C. G., 1984: Regions in Question: Space, Development Theory and Regional Policy, Methuen, London.
- Gore C. G., Köhler G., Reich U-P. and Ziesemer T., 1996: Questioning Development; Essays on the Theory, Policies and Practice of Development Intervention, Metropolis- Verlag, Marburg.
- Hall, P. (1992): Urban and Regional Planning, Routledge, London.
- Haynes J., 2008: Development Studies, Polity Short Introduction Series.
- Johnson E. A. J., 1970: The Organization of Space in Developing Countries, MIT Press, Massachusetts.
- Kulshetra ,S.K,( 2012) : Urban and Regional Planning in India : A hand book for Professional Practioners , Sage Publication , New Delhi
- Kundu, A. (1992): Urban Development Urban Research in India, Khanna Publ. New Delhi.



- Misra , R.P, Sundaram K.V, PrakashRao , VLS( 1974): Regional Development Planning in India , Vikas Publication , New Delhi
- Misra, R.P (1992): Regional Planning: Concepts , techniques , Policies and Case Studies , Concept , New Delhi
- Peet R., 1999: Theories of Development, The Guilford Press, New York.
- UNDP 2001-04: Human Development Report, Oxford University Press.
- World Bank 2001-05: World Development Report, Oxford University Press, New Delhi

## **CC-9: Economic Geography**

**Credits 06**

### **C9T: Economic Geography**

#### **Unit I: Concepts**

**2 Credits**

1. Meaning and approaches to Economic Geography, new Economic Geography
2. Concepts in Economic Geography: Goods and services, production, exchange and consumption
3. Concept of economic man, theories of choices
4. Economic distance and transport costs

#### **Unit II: Economic Activities**

**4 Credits**

1. Concept and classification of economic activities
2. Factors affecting location of economic activity with special reference to agriculture (Von Thunen), and industry (Weber).
3. Primary activities: Subsistence and commercial agriculture, forestry, fishing and mining
4. Secondary activities: Manufacturing (cotton textile, iron and steel), concept of manufacturing regions, special economic zones and technology parks
5. Tertiary activities: transport, trade and services
6. Agricultural systems: Case studies of tea plantation in India and mixed farming in Europe
7. Transnational sea-routes, railways and highways with reference to India
8. International agreements and trade blocs: GATT and OPEC

#### **Reference Books**

- Alexander J. W., 1963: Economic Geography, Prentice-Hall Inc., Englewood Cliffs, New Jersey.
- Coe N. M., Kelly P. F. and Yeung H. W., 2007: Economic Geography: A Contemporary Introduction, Wiley-Blackwell.
- Hodder B. W. and Lee Roger, 1974: Economic Geography, Taylor and Francis.
- Combes P., Mayer T. and Thisse J. F., 2008: Economic Geography: The Integration of Regions and Nations, Princeton University Press.
- Wheeler J. O., 1998: Economic Geography, Wiley..
- Durand L., 1961: Economic Geography, Crowell.
- Bagchi-Sen S. and Smith H. L., 2006: Economic Geography: Past, Present and Future, Taylor and Francis.
- Willington D. E., 2008: Economic Geography, Husband Press.

- Clark, Gordon L.; Feldman, M.P. and Gertler, M.S., eds. 2000: The Oxford

**CC-10: Environmental Geography**

**Credits 06**

**C10T: Environmental Geography**

**Credits 04**

1. Geographers' approach to environmental studies
2. Perception of environment in different stages of civilization
3. Concept of holistic environment and system approach
4. Ecosystem: Concept, structure and functions
5. Environmental pollution and degradation: Land, water and air
6. Space–time hierarchy of environmental problems: Local, regional and global
7. Urban environmental issues with special reference to waste management
8. Environmental programmes and policies – Global, national and local levels

**Reference Books**

- Chandna R. C., 2002: Environmental Geography, Kalyani, Ludhiana.
- Cunningham W. P. and Cunningham M. A., 2004: Principles of Environmental Science: Inquiry and Applications, Tata Macgraw Hill, New Delhi.
- Goudie A., 2001: The Nature of the Environment, Blackwell, Oxford.
- Singh, R.B. (Eds.) (2009) Biogeography and Biodiversity. Rawat Publication, Jaipur
- Miller G. T., 2004: Environmental Science: Working with the Earth, Thomson BrooksCole, Singapore.
- MoEF, 2006: National Environmental Policy-2006, Ministry of Environment and Forests, Government of India.
- Singh, R.B. and Hietala, R. (Eds.) (2014) Livelihood security in Northwestern Himalaya: Case studies from changing socio-economic environments in Himachal Pradesh, India. Advances in Geographical and Environmental Studies, Springer
- Odum, E. P. et al, 2005: Fundamentals of Ecology, Cengage Learning India.
- Singh S., 1997: Environmental Geography, Prayag Pustak Bhawan. Allahabad.
- UNEP, 2007: Global Environment Outlook: GEO4: Environment For Development, United Nations Environment Programme.
- Singh, M., Singh, R.B. and Hassan, M.I. (Eds.) (2014) Climate change and biodiversity: Proceedings of IGU Rohtak Conference, Volume 1. Advances in Geographical and Environmental Studies, Springer
- Singh, R.B. (1998) Ecological Techniques and Approaches to Vulnerable Environment, New Delhi, Oxford & IBH Pub.

## **C10 : Environment Geography Lab**

**Credits 02**

### **Environment Geography**

*A Project File, comprising one exercise each is to be submitted*

1. Preparation of questionnaire for perception survey on environmental problems
2. Preparation of check-list for Environmental Impact Assessment of an urban / industrial project
3. Quality assessment of soil using field kit: pH and NPK
4. Interpretation of air quality using CPCB / WBPCB data

### **Reference Books**

- Gilpin.A ( 1994) Environmental Impact Assessment: Cutting Edge for the 21st Century (Eia : Cutting Edge for the Twenty-First Century, Cambridge University Press,

## **CC-11: Field Work and Research Methodology**

**Credits 06**

## **C11T: Field Work and Research Methodology**

**Credits 04**

### **Research Methodology and Field Work**

#### **Unit I: Research Methodology**

**2 Credits**

1. Research in Geography: Meaning, types and significance
2. Literature review and formulation of research design
3. Defining research problem, objectives and hypothesis. Research materials and methods
4. Techniques of writing scientific reports: Preparing notes, references, bibliography, abstract and keywords

#### **Unit II: Fieldwork**

**2 Credits**

1. Fieldwork in Geographical studies – Role and significance. Selection of study area and objectives. Pre-field preparations. Ethics of fieldwork
2. Field techniques and tools: Observation (participant, non participant), questionnaires (open, closed, structured, non-structured). Interview with special reverence to focused group discussions.
3. Field techniques and tools: Landscape survey using transects and quadrants, constructing a sketch, photo and video recording.
4. Positioning and collection of samples. Preparation of inventory from field data. Post-field tasks.

### **Reference Books**

- Creswell J., 1994: Research Design: Qualitative and Quantitative Approaches Sage Publications.
- Dikshit, R. D. 2003. The Art and Science of Geography: Integrated Readings. Prentice-Hall of India, New Delhi.

- Evans M., 1988: "Participant Observation: The Researcher as Research Tool" in *Qualitative Methods in Human Geography*, eds. J. Eyles and D. Smith, Polity.
- Mukherjee, Neela 2002. *Participatory Learning and Action: with 100 Field Methods*. Concept Pubs. Co., New Delhi
- Robinson A., 1998: "Thinking Straight and Writing That Way", in *Writing Empirical Research Reports: A Basic Guide for Students of the Social and Behavioural Sciences*, eds. by F. Pryczak and R. Bruce Pryczak, Publishing: Los Angeles.
- Special Issue on "Doing Fieldwork" *The Geographical Review* 91:1-2 (2001).
- Stoddard R. H., 1982: *Field Techniques and Research Methods in Geography*, Kendall/Hunt.
- Wolcott, H. 1995. *The Art of Fieldwork*. Alta Mira Press, Walnut Creek, CA

## **C11P: Research Methodology and Field Work Lab**

**Credits 02**

### **Practical Record**

1. Each student will prepare an individual report based on primary data collected from field survey and secondary data collected from different sources for either a rural area (*mouza*) or an urban area (municipal ward) based on cadastral or municipal maps to study specific problems.
2. The duration of the field work shall not exceed 10 days
3. The report should be hand written in English on A4 size paper in candidate's own words within 5,000 to 8,000 words excluding figures , tables , photographs , maps , references and appendices
4. A copy of the bound report, duly signed by the concerned teacher, should be submitted

### **Reference Books**

- Monkhouse, F.J. and Williamson, R.H. (1963): *Maps and Diagrams: Their Compilation and Construction*, Methuen, London
- Saha, P.K. and Basu, P. (2009): *Advanced Practical Geography*, Books and Allied (P) Ltd., Kolkata
- Sarkar, A. (2008): *Practical Geography: A Systematic Approach*, Orient Black Swan, Kolkata
- Narasinha Murthy , R.L. (2014) *Research Methodology in Geography* , Concept , New Delhi
- Saha, P.K. and Basu, P. (2009): *Advanced Practical Geography*, Books and Allied (P) Ltd., Kolkata
- Sarkar, A. (2008): *Practical Geography: A Systematic Approach*, Orient BlackSwan, Kolkata
- Yeates M., 1974: *An Introduction to Quantitative Analysis in Human Geography*.

**CC-12: Remote Sensing and GIS**

**Credits 06**

**C12T: Remote Sensing and GIS**

**Credits 04**

**Remote Sensing and GIS**

**Unit I: Remote Sensing**

**2 Credits**

1. Principles of Remote Sensing (RS): Types of RS satellites and sensors
2. Sensor resolutions and their applications with reference to IRS and Landsat missions, image referencing schemes and data acquisition.
3. Preparation of False Colour Composites from IRS LISS-3 and Landsat TM and OLI data.
4. Principles of image interpretation. Preparation of inventories of land use land cover (LULC) features from satellite images.

**Unit II: Geographical Information Systems and Global Navigation Satellite System**

**2 Credits**

1. GIS data structures: types (spatial and non-spatial), raster and vector
2. Principles of preparing attribute tables, data manipulation and overlay analysis
3. Principles of GNSS positioning and waypoint collection
4. Transferring of waypoints to GIS. Area and length calculations from GNSS data.

**Reference Books**

- Campbell J. B., 2007: Introduction to Remote Sensing, Guildford Press.
- Jensen J. R., 2004: Introductory Digital Image Processing: A Remote Sensing Perspective, Prentice Hall.
- Joseph, G. 2005: Fundamentals of Remote Sensing, United Press India.
- Lillesand T. M., Kiefer R. W. and Chipman J. W., 2004: Remote Sensing and Image Interpretation, Wiley. (Wiley Student Edition).
- Nag P. and Kudra, M., 1998: Digital Remote Sensing, Concept, New Delhi.
- Rees W. G., 2001: Physical Principles of Remote Sensing, Cambridge University Press.
- Singh R. B. and Murai S., 1998: Space-informatics for Sustainable Development, Oxford and IBH Pub.
- Wolf P. R. and Dewitt B. A., 2000: Elements of Photogrammetry: With Applications in GIS, McGraw- Hill.
- Sarkar, A. (2015) Practical geography: A systematic approach. Orient Black Swan Private Ltd., New Delhi

**C12 P: Remote Sensing and GIS Lab****Credits 02****Remote Sensing and GIS****2 Credits**

*A Project File, comprising one exercise each is to be submitted*

1. Georeferencing of maps and images
2. Image enhancement. Preparation of reflectance libraries of LULC features across different image bands of IRS L3 or Landsat OLI data
3. Image classification, post-classification analysis and class editing
4. Digitisation of features. Data attachment, overlay and preparation of thematic map

**CC-13: Evolution of Geographical Thought****Credits 06****C13T: Evolution of Geographical Thought****Unit I: Nature of Pre Modern Geography**

1. Development of Geography and contributions of Greek, Chinese, and Indian geographers.
2. Impact of 'Dark Age' on Geography and Arab contributions
3. Geography during the Age of 'Discovery' and 'Exploration' (Contributions of Portuguese Voyages, Columbus, Vasco da Gama, Magellan, Thomas Cook)
4. Transition from Cosmography to Scientific Geography (Contributions of Bernard Varenus and Immanuel Kant); Dualism and Dichotomies (General vs. Particular, Physical vs. Human, Regional vs. Systematic, Determinism vs. Possibilism, Ideographic vs. Nomeothetic)

**Unit II: Foundations of Modern Geography and Recent Trends**

1. Evolution of Geographical thoughts in Germany, France, Britain and United States of America.
2. Contributions of Humboldt and Ritter
3. Contributions of Richthofen, Hettner and Ratzel
4. Schools of geographical thought: French, British and American;
5. Trends of Geography in the post World War-II period
6. Evolution of Geography in India: formative periods, establishments and emerging trends
7. Quantitative Revolution and its impact, behaviouralism, systems approach, radicalism, feminism
8. Towards Post Modernism: Changing concept of space in geography. Geography in the 21st Century

**Reference Books:**

- ▶ Arentsen M., Stam R. and Thuijjs R., 2000: Post-modern Approaches to Space, ebook.
- ▶ Bhat, L.S. (2009) Geography in India (Selected Themes). Pearson
- ▶ Bonnett A., 2008: What is Geography? Sage.
- ▶ Dikshit R. D., 1997: Geographical Thought: A Contextual History of Ideas, Prentice– Hall India.
- ▶ Hartshone R., 1959: Perspectives of Nature of Geography, Rand MacNally and Co.
- ▶ Holt-Jensen A., 2011: Geography: History and Its Concepts: A Students Guide, SAGE.
- ▶ Johnston R. J., (Ed.): Dictionary of Human Geography, Routledge.

- ▶ Johnston R. J., 1997: Geography and Geographers, Anglo-American Human Geography since 1945, Arnold, London.
- ▶ Kapur A., 2001: Indian Geography Voice of Concern, Concept Publications.
- ▶ Martin Geoffrey J., 2005: All Possible Worlds: A History of Geographical Ideas, Oxford.
- ▶ Soja, Edward 1989. Post-modern Geographies, Verso, London. Reprinted 1997: Rawat Publ., Jaipur and New Delhi.

**CC-14: Disaster Management**

**Credits 06**

**C14T: Disaster Management**

**Credits 04**

## **Disaster Management**

### **Unit I: Concepts**

**(2 Credits)**

1. Classification of hazards and disasters.
2. Approaches to hazard study: Risk perception and vulnerability assessment. Hazard paradigms.
3. Responses to hazards: Preparedness, trauma and aftermath. Resilience and capacity building.
4. Hazards mapping: Data and techniques.

### **Unit II: Disaster Case Studies**

**(2 Credits)**

1. Earthquake: Factors, vulnerability, consequences and management
2. Landslide: Factors, vulnerability, consequences and management
3. Cyclone: Factors, vulnerability, consequences and management
4. Fire: Factors, vulnerability, consequences and management

### **Reference Books**

- Government of India. (1997) Vulnerability Atlas of India. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.
- Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.
- Modh, S. (2010) Managing Natural Disaster: Hydrological, Marine and Geological Disasters, Macmillan, Delhi.
- Singh, R.B. (2005) Risk Assessment and Vulnerability Analysis, IGNOU, New Delhi. Chapter 1, 2 and 3
- Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.
- Sinha, A. (2001). Disaster Management: Lessons Drawn and Strategies for Future, New United Press, New Delhi.
- Stoltman, J.P. et al. (2004) International Perspectives on Natural Disasters, Kluwer Academic Publications. Dordrecht.
- Singh Jagbir (2007) “Disaster Management Future Challenges and Opportunities”, 2007. Publisher-



- I.K. International Pvt. Ltd. S-25, Green Park Extension, Uphaar Cinema Market, New Delhi, India (www.ikbooks.com).

### **C14P: Disaster Management based Project Work**

**Credits 02**

#### **Disaster Management based Project Work**

#### **2 Credits**

*An individual Project Report based on any one case study among the following disasters incorporating a preparedness plan in the vicinity of the candidate's institution or residence:*

1. Thunderstorm
2. Landslide
3. Flood
4. Coastal / riverbank erosion
5. Fire
6. Industrial accident
7. Structural collapse

#### **Reference Books**

- Government of India. (1997) Vulnerability Atlas of India. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.
- Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.
- Modh, S. (2010) Managing Natural Disaster: Hydrological, Marine and Geological Disasters, Macmillan, Delhi.
- Singh, R.B. (2005) Risk Assessment and Vulnerability Analysis, IGNOU, New Delhi. Chapter 1, 2 and 3
- Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.
- Sinha, A. (2001). Disaster Management: Lessons Drawn and Strategies for Future, New United Press, New Delhi.
- Stoltman, J.P. et al. (2004) International Perspectives on Natural Disasters, Kluwer Academic Publications. Dordrecht.
- Singh Jagbir (2007) "Disaster Management Future Challenges and Opportunities", 2007. Publisher-
- I.K. International Pvt. Ltd. S-25, Green Park Extension, Uphaar Cinema Market, New Delhi, India (www.ikbooks.com).



## Department Specific Electives (DSE)

**DSE-1: Hydrology and Oceanography**

**Credits 06**

**DSE3T: Hydrology and Oceanography**

### **Hydrology**

**(2 Credits)**

1. Systems approach in hydrology. Global hydrological cycle: Its physical and biological role
2. Run off: controlling factors. Infiltration and evapotranspiration. Run off cycle
3. Drainage basin as a hydrological unit. Principles of water harvesting and watershed management
4. Groundwater: Occurrence and storage. Factors controlling recharge, discharge and movement.

### **Oceanography**

**(4 Credits)**

1. Major relief features of the ocean floor: characteristics and origin according to plate tectonics.
2. Physical and chemical properties of ocean water
3. Water mass, T-S diagram
4. Air-Sea interactions, ocean circulation, wave and tide.
5. Ocean temperature and salinity : Distribution and determinants.
6. Coral reefs: Formation, classification and threats.
7. Marine resources: Classification and sustainable utilisation
8. Sea level change: Types and causes

### **Reference Books**

- ▶ Andrew. D. Ward and Stanley, Trimble (2004): Environmental Hydrology, 2nd edition, Lewis Publishers, CRC Press.
- ▶ Karanth, K.R., 1988: Ground Water: Exploration, Assessment and Development, Tata- McGraw Hill, New Delhi.
- ▶ Ramaswamy, C. (1985): Review of floods in India during the past 75 years: A Perspective. Indian National Science Academy, New Delhi.
- ▶ Rao, K.L., 1982: India's Water Wealth 2nd edition, Orient Longman, Delhi,
- ▶ Singh, Vijay P. (1995): Environmental Hydrology. Kluwer Academic Publications, the Netherlands.
- ▶ Anikouchine W. A. and Sternberg R. W., 1973: The World Oceans: An Introduction to Oceanography, Prentice-Hall.
- ▶ Garrison T., 1998: Oceanography, Wordsworth Company, Belmont.
- ▶ Kershaw S., 2000: Oceanography: An Earth Science Perspective, Stanley Thornes, And UK.
- ▶ Pinet P. R., 2008: Invitation to Oceanography (Fifth Edition), Jones and Barlett Publishers, USA, UK and Canada.
- ▶ Sverdrup K. A. and Armrest, E. V., 2008: An Introduction to the World Ocean, McGraw Hill, Boston.
- ▶ Singh, M., Singh, R.B. and Hassan, M.I. (Eds.) (2014) Landscape ecology and water management. Proceedings of IGU Rohtak Conference, Volume 2. Advances in Geographical and Environmental Studies, Springer

Or

**DSE-1: Geography of Health and Wellbeing**

**Credits 06**

**DSE1T: Geography of Health and Wellbeing**

**Geography of Health and Wellbeing**

1. Definition, scope and trends of Geography of Health in relation to allied disciplines
2. Linkages of health with environment and development
3. Geographical perspective of health in developed and developing countries
4. Factors influencing health and wellbeing
5. Parameters of health and wellbeing
6. Health in relation to population dynamics and urbanization
7. Health in relation to inequality, malnutrition and poverty
8. Exposure and Health Risks: Air pollution; household wastes; water; housing; workplace.
9. Health and disease pattern in Environmental Context with special reference to India
10. Types of Diseases and their regional pattern (Communicable and Lifestyle related diseases).
11. Climate change and morbidity. Biological agents of disease
12. WHO programmes of health and wellbeing

**Reference Books**

- ▶ Akhtar Rais (Ed.), 1990: Environment and Health Themes in Medical Geography, Ashish Publishing House, New Delhi.
- ▶ Avon Joan L. and Jonathan A Patzed.2001: Ecosystem Changes and Public Health, Baltimin, John Hopling Unit Press(Ed).
- ▶ Bradley, D., 1977: Water, Wastes and Health in Hot Climates, John Wiley Chichester.
- ▶ Christaler George and Hristopoles Dionissios, 1998: Spatio Temporal Environment Health Modelling, Boston Kluwer Academic Press.
- ▶ Cliff, A.D. and Peter, H., 1988: Atlas of Disease Distributions, Blackwell Publishers, Oxford.
- ▶ Gatrell, A., and Loytonen, 1998: GIS and Health, Taylor and Francis Ltd, London.
- ▶ Hardham T. and Tannav M., (Eds): Urban Health in Developing Countries; Progress, Projects, Earthgoan, London.
- ▶ Murray C. and A. Lopez, 1996: The Global Burden of Disease, Harvard University Press.
- ▶ Moeller Dade wed., 1993: Environmental Health, Cambridge, Harward Univ. Press.
- ▶ Phillips, D.and Verhasselt, Y., 1994: Health and Development, Routledge, London.
- ▶ Tromp, S., 1980: Biometeorology: The Impact of Weather and Climate on Humans and their Environment, Heydon and Son.

**Or**

**DSE-1: Cultural and Settlement Geography**

**Credits 06**

**DSE1T: Cultural and Settlement Geography**

**Unit I: Cultural Geography**

**(3 Credits)**

1. Definition, scope and content of Cultural Geography
2. Development of cultural geography in relation to allied disciplines
3. Cultural Hearth and Realm; Cultural diffusion, diffusion of major world religions and languages
4. Cultural segregation and cultural diversity, Culture, technology and development.
5. Races and racial groups of the world
6. Cultural regions of India

**Unit I: Settlement Geography**

**(3 Credits)**

1. Rural Settlement: Definition, nature and characteristics of rural settlements
2. Morphology of rural settlements: site and situation, layout-internal and external
3. Rural house types with reference to India, Social segregation in rural areas; Census categories of rural settlements.
4. Urban Settlements :Census definition (Temporal) and categories in India
5. Urban morphology: Classical models-Burgess, Homer Hoyt, Harris and Ullman Metropolitan concept.
6. City-region and Conurbation , Functional classification of cities: Harris, Nelson and McKenzie

**Reference Books**

- ▶ Banerjee Guha, S. ed (2004) Space, Society & Geography, Rawat Publication, Delhi
- ▶ Bardhan, P., 2003, Poverty, Age Structure & Political Economy in India, Oxford University Press
- ▶ Biswas, A.K., Jortajada, C., 2006, Appraising Sustainable Development, Oxford University
- ▶ Dhanagare, D.N., 2004, Themes and Perspectives in Indian Sociology, Rawat Publication, Delhi
- ▶ Dohrs, I., Sommers,L., 1967, Cultural Geography. Thomas Crowell Company
- ▶ Fellmann, J.D.,Getis, A., Getis, J., 2000, Human Geography- Landscape of Human Activity, McGraw Hill
- ▶ Fern, R.L., 2002, Nature, God and Humanity, Cambridge university Press
- ▶ Gadhil, M., Guha,R.,2000, The Use and Abuse of Nature, Oxford University Press
- ▶ Gregory, D.,Urry, J.,1985, Social Relation and Spatial Structure, MacMillan
- ▶ Herbert, D.T., Johnston, R.J.,1982, Geography and Urban Environment. John Wiley& Sons
- ▶ Hussain, M.,2007, Models in Geography, Rawat Publication
- ▶ Jordan,T., Rowntree, L.,1990, Human Mosaic, Harper Collins Publishers
- ▶ Knox, P., Pinch,S., 2000, Urban Social Geography, Pearson Education
- ▶ Mitchell, D. 2000, Cultural Geography-A Critical Introduction, Black Well.

**Resource Geography**

**Unit I**

**(3 Credits)**

1. Natural Resources: Concept and classification
2. Approaches to Resource Utilization: Utilitarian, Conservational, Community based adaptive
3. Significance of Resources: Backbone of Economic growth and development
4. Pressure on resources. Appraisal and Conservation of Natural Resources
5. Problems of resource depletion—global scenario (forest, water, fossil fuels).
6. Sustainable Resource Development

**Unit II**

**(3 Credits)**

1. Distribution, Utilisation, Problems and Management of Metallic Mineral Resources: Iron ore, Bauxite, copper
2. Distribution, Utilisation, Problems and Management of Non-Metallic Mineral Resources: Limestone, Mica, Gypsum
3. Distribution, Utilisation, Problems and Management of Energy Resources: Conventional and Non-Conventional
4. Contemporary Energy Crisis and Future Scenario
5. Politics of Power resources
6. Limits to Growth and Sustainable Use of Resources; Concept of Resource sharing

**Reference Books**

- ▶ Cutter S. N., Renwich H. L. and Renwick W., 1991: Exploitation, Conservation, And Preservation: A Geographical Perspective on Natural Resources Use, John Wiley and Sons, New York.
- ▶ Gadgil M. and Guha R., 2005: The Use and Abuse of Nature: Incorporating This Fissured Land: An Ecological History of India and Ecology and Equity, Oxford University Press. USA.
- ▶ Holechek J. L. C., Richard A., Fisher J. T. and Valdez R., 2003: Natural Resources: Ecology, Economics and Policy, Prentice Hall, New Jersey.
- ▶ Jones G. and Hollier G., 1997: Resources, Society and Environmental Management, Paul Chapman, London.
- ▶ Klee G., 1991: Conservation of Natural Resources, Prentice Hall, Englewood.
- ▶ Mather A. S. and Chapman K., 1995: Environmental Resources, John Wiley and Sons, New York.
- ▶ Mitchell B., 1997: Resource and Environmental Management, Longman Harlow, England.
- ▶ Owen S. and Owen P. L., 1991: Environment, Resources and Conservation, Cambridge University Press, New York.
- ▶ Rees J., 1990: Natural Resources: Allocation, Economics and Policy, Routledge. London

Or

**DSE-2: Fluvial Geomorphology**

**Credits 06**

**DSE2T: Fluvial Geomorphology**

1. Scope and components of Fluvial Geomorphology. Rivers as hydro systems. Geographers approach to study of the rivers
2. Run off: components and controlling factors. Run off cycle
3. Models of channel initiation and network development
4. Drainage basin and its significance as a hydrological unit
5. Linear, areal and altitudinal properties of drainage basin. Horton's stream laws. Hypsometric curve and integer.
6. Fundamentals of Rosgen stream classification system
7. Fluvial morphodynamics: Adjustment of channel forms to tectonic, climatic, sea level and land use changes
8. Large rivers of the tropics: Characteristics and significance
9. Fluvial landforms: Terraces, alluvial fans, badlands and accretion topography
10. Human intervention on fluvial systems : Types and consequences
11. Riverbank erosion and river degeneration: Processes, management and impact on land use
12. Integrated watershed management: Principles and significance

**Reference Books**

- ▶ Bloom, A. L. 1998: Geomorphology: A Systematic Analysis of Late Cenozoic Landforms, 3rd Ed, Prentice Hall, Upper Saddle River, New Jersey
- ▶ Bridges, E. M., 1990: World Geomorphology, Cambridge University Press, Cambridge.
- ▶ Charlton, R. 2016: Fundamentals of Fluvial Geomorphology, 2nd Ed., Routledge, London
- ▶ Chorley, R., Schumm, S. and Sugden, D.E. 1994: Geomorphology, Methuen, London
- ▶ Chorley, R.J. and Kennedy, B.A. 1971: Physical Geography: A Systems Approach, Prentice Hall, Upper Saddle River, New Jersey
- ▶ Faniran, A. and Jeje, L.K. 1983: Humid Tropical Geomorphology, Longman, London
- ▶ Goudie, A.S. (ed) 2004: Encyclopaedia of Geomorphology, vol. 1 & 2, Routledge, London
- ▶ Gupta, A. 2011: Tropical Geomorphology, Cambridge University Press, Cambridge
- ▶ Gupta, A. (ed) 2008: Large Rivers, Wiley, New York
- ▶ Huggett, R.J. 2011: Fundamentals of Geomorphology, Routledge, New York
- ▶ Kale V.S. and Gupta A. 2001. Introduction to Geomorphology, Orient Longman, Hyderabad

- ▶ Knighton, D. 1998: Fluvial Forms and Processes: A New Perspective, Arnold, London
- ▶ Morisawa, M. 1985: Rivers, Longman, London
- ▶ Petts, G.E. and Amoros, C (eds). 1996: Fluvial Hydrosystems, Chapman and Hall, London
- ▶ Selby, M.J. 1985: Earth's Changing Surface, Oxford University Press, London

**Or**

**DSE-2: Social Geography**

**Credits 06**

**DSE2T: Social Geography**

**Unit I**

1. Social Geography: Concept, Origin, Nature and Scope
2. Concept of Space, Social differentiation and stratification; social processes
3. Social Categories: Caste, Class, Religion, Race and Gender and their Spatial distribution
4. Basis of Social region formation; Evolution of social-cultural regions of India
5. Peopling Process of India: Technology and Occupational Change; Migration.
6. Social groups, social behaviour and contemporary social environmental issues with special reference to India

**Unit II**

1. Concept of Social Well-being, Quality of Life, Gender and Social Well-being
2. Measures of Social Well-being: Healthcare, Education, Housing, Gender Disparity
3. Social Geographies of Inclusion and Exclusion, Slums, Gated Communities, Communal Conflicts and Crime.
4. Social Planning during the Five Year Plans in India
5. Social Policies in India: Education and Health
6. Social Impact Assessment (SIA): Concept and importance

**Reference Books**

- ▶ Ahmed A., 1999: Social Geography, Rawat Publications.
- ▶ Casino V. J. D., Jr., 2009) Social Geography: A Critical Introduction, Wiley Blackwell.
- ▶ Cater J. and Jones T., 2000: Social Geography: An Introduction to Contemporary Issues, Hodder Arnold.
- ▶ Holt L., 2011: Geographies of Children, Youth and Families: An International Perspective, Taylor & Francis.
- ▶ Panelli R., 2004: Social Geographies: From Difference to Action, Sage.
- ▶ Rachel P., Burke M., Fuller D., Gough J., Macfarlane R. and Mowl G., 2001: Introducing Social Geographies, Oxford University Press.
- ▶ Smith D. M., 1977: Human geography: A Welfare Approach, Edward Arnold, and London.
- ▶ Smith D. M., 1994: Geography and Social Justice, Blackwell, Oxford.
- ▶ Smith S. J., Pain R., Marston S. A., Jones J. P., 2009: The SAGE Handbook of Social Geographies, Sage Publications.

- ▶ Sopher, David (1980): An Exploration of India, Cornell University Press, Ithaca
- ▶ Valentine G., 2001: Social Geographies: Space and Society, Prentice Hall.

### **DSE-3: Population Geography**

**Credits 06**

### **DSE3T: Population Geography**

#### **Unit I**

##### **(2 Credits)**

1. Development of Population Geography as a field of specialization. Relation between population geography and demography. Sources of population data, their level of reliability and problems of mapping.
2. Population distribution: density and growth. Classical and modern theories in population distribution and growth, Demographic transition model.
3. World patterns determinants of population distribution and growth. Concept of optimum population.
4. Population distribution, density and growth profile in India.

#### **Unit II**

##### **(4 Credits)**

1. Population Composition and Characteristics– Age-Sex Composition; Rural and Urban Composition; Literacy.
2. Measurements of fertility and mortality. Concept of cohort and life table
3. Population composition of India. Urbanisation, Occupational structure.
4. Migration: Causes and types
5. National and international patterns of migration with reference to India.
6. Population and development: population-resource regions. Concept of human development index and its components.
7. Population policies in developed and less development countries. India's population policies, population and environment, implication for the future.
8. Contemporary Issues – Ageing of Population; Declining Sex Ratio; Population and environment dichotomy, HIV/AIDS.

### **Reference Books**

- ▶ Barrett H. R., 1995: Population Geography, Oliver and Boyd.
- ▶ Bhende A. and Kanitkar T., 2000: Principles of Population Studies, Himalaya Publishing House.
- ▶ Chandna R. C. and Sidhu M. S., 1980: An Introduction to Population Geography, Kalyani Publishers.
- ▶ Clarke J. I., 1965: Population Geography, Pergamon Press, Oxford.
- ▶ Jones, H. R., 2000: Population Geography, 3rd ed. Paul Chapman, London.
- ▶ Lutz W., Warren C. S. and Scherbov S., 2004: The End of the World Population Growth in the 21st Century, Earthscan
- ▶ Newbold K. B., 2009: Population Geography: Tools and Issues, Rowman and Littlefield Publishers.
- ▶ Pacione M., 1986: Population Geography: Progress and Prospect, Taylor and Francis.
- ▶ Wilson M. G. A., 1968: Population Geography, Nelson.



**Or**

**DSE-3: Political Geography**

**Credits 06**

**DSE3T: Political Geography**

1. Nature and scope Political Geography
2. Concept State, Nation and Nation State
3. Attributes of State – Frontiers, Boundaries, Exclave and enclave, Shape, Size, Territory and Sovereignty,
4. Geopolitics and geopolitical theories: Heartland and Rimland
5. Electoral Geography – Geography of Voting, Geographic Influences on voting pattern,
6. Geography of Representation, Gerrymandering.
7. Political Geography of Conflicts of resource– Oil, water and emission of green house gases
8. Inter-state dispute on water resources of India.
9. The Indian context of conflicts over forest rights.
10. Geographical basis of Indian federalism; Emergence of new states
11. Politics of Displacement: Issues of relief, compensation and rehabilitation: with reference to Dams and Special Economic Zones of India
12. Territorial politics: Case studies of Jammu and Kashmir, Assam and GTA

### **Reference Books**

- ▶ Agnew J., 2002: Making Political Geography, Arnold.
- ▶ Agnew J., Mitchell K. and Toal G., 2003: A Companion to Political Geography, Blackwell.
- ▶ Cox K. R., Low M. and Robinson J., 2008: The Sage Handbook of Political Geography, Sage Publications.
- ▶ Cox K., 2002: Political Geography: Territory, State and Society, Wiley-Blackwell
- ▶ Gallaher C., et al, 2009: Key Concepts in Political Geography, Sage Publications.
- ▶ Glassner M., 1993: Political Geography, Wiley.
- ▶ Jones M., 2004: An Introduction to Political Geography: Space, Place and Politics, Routledge.
- ▶ Mathur H M and M Cernea (eds.) Development, Displacement and Resettlement – Focus on Asian Experience, Vikas, Delhi
- ▶ Painter J. and Jeffrey A., 2009: Political Geography, Sage Publications.
- ▶ Taylor P. and Flint C., 2000: Political Geography, Pearson Education.
- ▶ Verma M K (2004): Development, Displacement and Resettlement, Rawat Publications, Delhi
- ▶ Hodder Dick, Sarah J Llyod and Keith S McLachlan (1998), Land Locked States of Africa and Asia (vo.2), Frank Cass



**Or**

**DSE-3: Soil and Biogeography**

**Credits 06**

**DSE3T: Soil and Biogeography**

1. Factors of soil formation. Man as an active agent of soil transformation.
2. Soil profile. Origin and profile characteristics of Lateritic, Podzol and Chernozem soils
3. Definition and significance of soil properties: Texture, structure and moisture,
4. Definition and significance of soil properties:  $p^H$ , organic matter and NPK
5. Soil erosion and degradation: Factors, processes and mitigation measures
6. Principles of soil classification: Genetic and USDA. Concept of land capability and its classification.
7. Concepts of biosphere, ecosystem, biome, ecotone, community and ecology
8. Concepts of trophic structure, food chain and food web. Energy flow in ecosystems
9. Geographical extent and characteristic features of: Tropical rain forest, Taiga and Grassland biomes
10. Bio-geochemical cycles with special reference to carbon dioxide and nitrogen
11. Deforestation: Causes, consequences and management
12. Bio-diversity: Definition, types, threats and conservation measures

**Reference Books**

- ▶ Biswas, T.D. and Mukherjee, S.K. 1997: Textbook of Soil Science, TataMcGraw Hill,
- ▶ Brady, N.C. and Weil, R.R. 1996. The Nature and Properties of Soil, 11th edition, Longman, London :
- ▶ Floth, H.D. 1990. Fundamentals of Soil science, 8th edition, John Wiley and Sons, New York.
- ▶ Morgan, R.P.C. 1995 Soil Erosion and Conservation, 2nd edition, Longman, London
- ▶ Schwab, G.O., Fangmer, D.D. and Elliot, W.J. 1996. Soil and Water Management Systems, 4th edition, John Eiley and sons Inc., New York
- ▶ Young, A. 2000. Land Resource: Now and Future, Cambridge University Press, Cambridge: 332p. Chapman J.L. and Rens, M.J. 1993. Ecology: Principle and Applications, Cambridge University Press, Cambridge:
- ▶ Chairas, D.D. Reganold , J.P. and Owen, O.S. 2002. National Resource Conservation and management for a Sustainable Future, 8th edition, Prentice Hall, Lo—glewood Cliffs
- ▶ Dash, M.C., 2001. Fundamental of Ecology, 2nd edition, Tata McGrawHill, New Delhi
- ▶ Huggett, R. 1998. Fundamentals of Biogeography, Routledge, London:
- ▶ Kormondy, E.J. 1996. Concept of Ecology, 4th edition, Prentice- Hall, India, New Delhi
- ▶ Myers, A. A. and Giller, P.S. (editors) 1988. Analytical Biogeography: an Integrated Approach to the Study of Animal and Plant Distribution. Chapman and Hall, London

**DSE-4: Agricultural Geography**

**Credits 06**

## **DSE4T: Agricultural Geography**

### **Unit I**

#### **2 Credits**

1. Progress of Agricultural Geography with reference to allied disciplines. Approaches to study of Agricultural Geography.
2. Origin and dispersal of agriculture; Role of agriculture on human society.
3. Factors affecting agriculture. Classification of world agricultural systems.
4. Location and characteristics of major agricultural types: Intensive subsistence, extensive commercial and plantation agriculture.

### **Unit II**

#### **4 Credits**

1. Concept of cropping pattern, crop combination, gross and net cropped area, crop rotation.
2. A critical review and contemporary perspective of Von Thunen' model
3. Definition and factors affecting yield. Measures of agricultural productivity
4. Role of irrigation in Indian agriculture
5. Problems of agriculture with special reference to South Asian countries.
6. World patterns of agricultural production and food security
7. Land use survey and land classification (USDA)
8. Globalization and agriculture with special reference to India

#### **Reference Books**

- ▶ Basu, D.N., and Guha, G.S., 1996: Agro-Climatic Regional Planning in India, Vol.I & II, Concept Publication, New Delhi.
- ▶ Bryant, C.R., Johnston, T.R., 1992: Agriculture in the City Countryside, Belhaven Press, London.
- ▶ Burger, A., 1994: Agriculture of the World, Aldershot, Avebury.
- ▶ Grigg, D.B., 1984: Introduction to Agricultural Geography, Hutchinson, London.
- ▶ Ilbery B. W., 1985: Agricultural Geography: A Social and Economic Analysis, Oxford University Press.
- ▶ Mohammad, N., 1992: New Dimension in Agriculture Geography, Vol. I to VIII, Concept Pub., New Delhi.
- ▶ Roling, N.G., and Wageruters, M.A.E.,(ed.) 1998: Facilitating Sustainable Agriculture, Cambridge University Press, Cambridge.
- ▶ Shafi, M., 2006: Agricultural Geography, Doring Kindersley India Pvt. Ltd., New Delhi
- ▶ Singh, J., and Dhillon, S.S., 1984: Agricultural Geography, Tata McGraw Hill, New Delhi.
- ▶ Tarrant J. R., 1973: Agricultural Geography, David and Charles, Devon.

**Or**

**DSE-4: Urban Geography**

**Credits 06**

**DSE4T: Urban Geography**

**Unit I**

**3 Credits**

1. Urban Geography: nature and scope, different approaches and recent trends in urban geography
2. Origin of urban places in Ancient, Medieval, Modern and Post-Modern periods-factors, stages, and characteristics.
3. Theories of Urban Evolution and Growth: Hydraulic Theory, Economic Theory
4. Aspects of urban places: Location, site and situation, Size and Spacing of Cities: The Rank Size Rule, The Law of the Primate City
5. Urban Hierarchies : Central Place Theory; August Loch's theory of Market Centres
6. Patterns of urbanisation in developed and developing countries

**Unit II**

**3 Credits**

1. Ecological processes of urban growth; Urban fringe; City- Region
2. Theories of city structure-concentric zone theory, sector theory, multiple nuclei theory
3. Urban Issues: problems of housing, slums, civic amenities (water and transport)
4. Patterns and trends of urbanization in India
5. Policies on urbanization. Urban change/landscape in post-liberalized period in India
6. Case studies of Delhi, Kolkata, and Chandigarh with reference to land use

**Reference Books**

- ▶ Fyfe N. R. and Kenny J. T., 2005: The Urban Geography Reader, Routledge.
- ▶ Graham S. and Marvin S., 2001: Splintering Urbanism: Networked Infrastructures, Technological Mobility and the Urban Condition, Routledge.
- ▶ Hall T., 2006: Urban Geography, Taylor and Francis.
- ▶ Kaplan D. H., Wheeler J. O. and Holloway S. R., 2008: Urban Geography, John Wiley.
- ▶ Knox P. L. and McCarthy L., 2005: Urbanization: An Introduction to Urban Geography, Pearson Prentice Hall New York.
- ▶ Knox P. L. and Pinch S., 2006: Urban Social Geography: An Introduction, Prentice-Hall.
- ▶ Pacione M., 2009: Urban Geography: A Global Perspective, Taylor and Francis.
- ▶ Sassen S., 2001: The Global City: New York, London and Tokyo, Princeton University Press.
- ▶ Ramachandran R (1989): Urbanisation and Urban Systems of India, Oxford University Press, New Delhi
- ▶ Ramachandran, R., 1992: The Study of Urbanisation, Oxford University Press, Delhi
- ▶ Singh, R.B. (Eds.) (2001) Urban Sustainability in the Context of Global Change, Science Pub., Inc., Enfield (NH), USA and Oxford & IBH Pub., New Delhi.

- ▶ Singh, R.B. (Ed.) (2015) Urban development, challenges, risks and resilience in Asian megacities. Advances in Geographical and Environmental Studies, Springer

Or

**DSE-4 : Project Work**

### **Skill Enhancement Course(SEC)**

**SEC-1: Coastal Management**

**Credits 02**

**SEC-1T: Coastal Management**

#### **Coastal Management**

1. Components of a coastal zone. Coastal morphodynamic variables and their role in evolution of coastal forms.
2. Environmental impacts and management of mining, oil exploration, salt manufacturing, land reclamation and tourism.
3. Coastal hazards and their management using structural and non-structural measures: Erosion, flood, sand encroachment, dune degeneration, estuarine sedimentation and pollution
4. Principles of Coastal Zone Management. Exclusive Economic Zone and Coastal Regulation Zones with reference to India.

#### **Suggested Readings:**

- Carter, R.W.G (1988): Coastal Environments: An Introduction to the Physical, Ecological and Cultural Systems of Coastlines, Academic Press, London
- Dayer K.R. (1979): Estuary Hydrography, and Sedimentation, Cambridge Univ. Press, Cambridge.
- Devis R.A. (ed) (1978): Coastal Sedimentary Environmental; Springer-Verlag, New York.
- Harikawa , K. (1978): Coastal Engineering, Univ Of Tokyo Press, Tokyo.
- Inman, D.L. (1960): Shore Processes, Encyclopedia of Science & Technology, Mc Graw Hill, New York.
- Knight, B. and Philip, A. (1979): Estuarine and coastal Land reclamation and water storage, Saxon House.
- Laussn, E and Lato, I.(ed): Chemistry and Biochemistry of estuaries, Wiley, New York.
- Pethick, J. (2000): An Introduction to coastal Geomorphology, Arnold, London.
- Stanley, D.J. and Suist D.J.P.(ed)(1976): Marine Sediment Transport and environmental management;Wiley, NewYork.
- Wagret,P. (1968): Polderlands, Methuen, London

Or

**SEC-1: Computer Basics and Computer Applications**

**Credits 02**

**SEC1T: Computer Basics and Computer Applications**

1. Representation of data; Numbering Systems; Binary Arithmetic; Basic Logic Gates; Boolean Logic and Reduction Techniques.
2. Computation, Storing and Formatting Spreadsheets: Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Sample Variation; Derivation of Correlation, Covariance and regression; Selection of technique and interpretation.
3. Preparation of Annotated Diagrams: Scatter diagram and Histogram; selection of technique and interpretation of diagrams
4. Internet Surfing: generation and extraction of information. Cloud computing and drive sharing.

### Reference Books

- Bartee, Thomas C. (1977): Digital Computer Fundamental; McGraw Hill.
- Chauhan, S.; Chauhan, A. and Gupta, K. (2006): Fundamental of Computer; Firewall Media.
- Flake, L.J.; McClintock, C.E. and Turner, S. (1989): Fundamental of Computer Education; Wordsworth Pub. Co.
- Leon, A .and Leon,M.(1999): Introduction to Computer, USB Publishers' Distributors Ltd.
- Malvino, A.P. and Leach, D.P. (1981): Digital Principles and Appications; Tata McGraw Hill.
- Mano, Moris M. and Kime, Charles R. (2004): Logic and Computer Design Fundamental; Prentice Hall.
- Rajaraman, V. ( 2003): Fundamentals of Computer, Prentice Hall Publisher
- Sarkar, A. and Gupta, S.K (2002) Elements of computer Science, S Chand and Company, New Delhi
- Blissmer (1996): Working with MS Word; Houghton Mifflin Co.
- Johnson, Steve (2007): Microsoft Power Point 2007; Pearson Paravia Bruno.
- Leon, A .and Leon,M.(1999): Introduction to Computer, USB Publishers' Distributors Ltd.
- Leon, A. and Leon, M.( 1999): A beginners Guide to Computers, Vikas
- Rajaraman, V. (2008): Computer Primer; Prentice Hall of India Pvt. Ltd.
- Sarkar, A. and Gupta, S.K (2002) Elements of computer Science, S Chand and Company, New Delhi
- Shepard, Aaron (2007): Perfect Pages; Shepard Publications.
- Tyson, Herbert L. (2007): Microsoft Word 2007 bible; John Wiley.
- Walkenbach, John (2007): Excel 2007 Bible; John Wiley.

## SEC-2: Research Methods

Credits 02

### SEC2T: Research Methods

1. Geographic Enquiry: Definition and Ethics; Literature Review; Framing Research Questions, Objectives and Hypothesis; Preparing Sample Questionnaires and inventories
2. Data Collection: Type and Sources of Data; Methods of data Collection; Data Input and Editing
3. Data Analysis: Qualitative and Quantitative Analysis; Techniques Data Representation
4. Structure of a Research Report: Preliminaries; Text; Citation, Notes, References, Bibliography and Abstract and Key words.

### Reference Books

- ▶ Creswell J., 1994: Research Design: Qualitative and Quantitative Approaches Sage Publications.
  - ▶ Dikshit, R. D. 2003. The Art and Science of Geography: Integrated Readings. Prentice-Hall of India, New Delhi.
  - ▶ Evans M., 1988: "Participant Observation: The Researcher as Research Tool" in Qualitative Methods in Human Geography, eds. J. Eyles and D. Smith, Polity.
  - ▶ Misra, R.P. (2002) Research Methodology, Concept Publications, New Delhi.
  - ▶ Mukherjee, Neela 1993. Participatory Rural Appraisal: Methodology and Application. Concept Publs. Co., New Delhi.
  - ▶ Mukherjee, Neela 2002. Participatory Learning and Action: with 100 Field Methods. Concept Publs. Co., New Delhi
  - ▶ Robinson A., 1998: "Thinking Straight and Writing That Way", in Writing Empirical Research Reports: A Basic Guide for Students of the Social and Behavioural Sciences, eds. by F. Pryczak and R. Bruce Pryczak, Publishing: Los Angeles.
  - ▶ Special Issue on "Doing Fieldwork" The Geographical Review 91:1-2 (2001).
  - ▶ Stoddard R. H., 1982: Field Techniques and Research Methods in Geography, Kendall/Hunt.
  - ▶ Wolcott, H. 1995. The Art of Fieldwork. Alta Mira Press, Walnut Creek, CA.
- Yadav, H. (2013) Shodh Pravidhi Evam Matratamak Bhugol, Raja Publications, Delhi

Or

## SEC-2: Advanced Spatial Statistical Techniques

Credits 02

### SEC2T: Advanced Spatial Statistical Techniques

1. Probability theory, probability density functions with respect to Normal, Binomial and Poisson distributions and their geographical applications.
2. Sampling: Sampling plans for spatial and non-spatial data, sampling distributions. Sampling estimates for large and small samples tests involving means and proportions.

3. Correlation and Regression Analysis: Rank order correlation and product moment correlation; linear regression, residuals from regression, and simple curvilinear regression. Introduction to multi-variate analysis.
4. Time Series Analysis: Time Series processes; Smoothing time series; Time series components.

*Any statistical Software Package (e.g., SPSS, MS Excel, R, etc.) may be used for practice. A project file consisting of four exercises on the above themes is to be submitted*

### Reference Books

- ▶ Bart James E and Gerld M.Barber, 1996: Elementary Statistics for Geographers, The Guieford Press, London.
- ▶ Eldon, D., 1983: Statistics in Geography: A Practical Approach, Blackwell, London.
- ▶ Cressie, N.A.C., 1991: Statistics for Spatial Analysis, Wiley, New York.
- ▶ Gregory, S., 1978: Statistical Methods and the Geographer (4th Edition), Longman, London.
- ▶ Haining, R.P., 1990: Spatial Data Analysis in the Social and Environmental Science, Cambridge University Press, Cambridge.
- ▶ Mc Grew, Jr. and Cahrles, B. M., 1993: An Introduction to Statistical Problem Solving in Geography, W.C. Brocan Publishers, New Jersey.
- ▶ Mathews, J.A., 1987: Quantitative and Statistical Approaches to Geography: A Practical Manual Pergamon, Oxford.
- ▶ S.K., 1998: Statistics for Geoscientists : Techniques and Applications, Concept Publishing Company, New Delhi.
- ▶ Wei, W.S.,1990: Time Series Analysis: Variate and Multivariate Methods , Addison Wesley Publishing.
- ▶ Yeates, Mauris, 1974: An Introduction to Quantitative Analysis in Human Geography, Mc Grawhill, New York

### **Generic Elective(GE)** *[Interdisciplinary for other department]*

#### **GE-1: Disaster Management**

**Credits 06**

#### **GE1T: Disaster Management**

1. Definition and Concepts of Hazards and Disasters; Risk and Vulnerability; Classification of hazards
2. Causes and consequences of hazards: Physical, economic and cultural
3. Role of National and International organizations in disaster management.
4. Causes, Impact, Distribution and Mapping of: Earthquake and Tsunami, Landslides
5. Causes, Impact, Distribution and Mapping of: Flood and drought
6. Causes, Impact, Distribution and Mapping: Soil erosion, accidental release of toxic chemicals,
7. Response and Mitigation to Disasters: Institutional set up, NDMA and NIDM



8. Indigenous Knowledge and Community-Based Disaster Management; Do's and Don'ts During and Post Disasters,
9. Emerging approaches to Disaster management: (a) Pre-disaster stage Preparedness-hazard zonation maps-predictability and forecasting warning, land use zoning, Information, Education & Communication (IEC) Disaster resistance house construction, Population reduction in vulnerable area and awareness. (b) Emergency Stage- Rescue training for search and operation at national and regional level, ground management plan preparation, immediate relief, Assessment surveys. (c) Post disaster stage rehabilitation – Political administrative aspects, social aspect, economic aspect, cultural aspect and environmental aspects.
10. Regional perspectives of hazards in India with reference to dimension, causes, consequences and remedial measures: (a) Hills/ coasts, (b) Terrorism
11. National and international policies for disaster management.
12. Role of geospatial technology (RS, GNSS and GIS) in disaster management

### Reference Books

- ▶ Government of India. (1997) Vulnerability Atlas of India. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.
- ▶ Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.
- ▶ Modh, S. (2010) Managing Natural Disaster: Hydrological, Marine and Geological Disasters, Macmillan, Delhi.
- ▶ Singh, R.B. (2005) Risk Assessment and Vulnerability Analysis, IGNOU, New Delhi. Chapter 1, 2 and 3
- ▶ Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.
- ▶ Sinha, A. (2001). Disaster Management: Lessons Drawn and Strategies for Future, New United Press, New Delhi.
- ▶ Stoltman, J.P. et al. (2004) International Perspectives on Natural Disasters, Kluwer Academic Publications. Dordrecht.
- ▶ Singh Jagbir (2007) “Disaster Management Future Challenges and Opportunities”, 2007. Publisher- I.K. International Pvt. Ltd. S-25, Green Park Extension, Uphaar Cinema Market, New Delhi, India ([www.ikbooks.com](http://www.ikbooks.com)).



## **GE-2 : Geospatial Technology**

**Credits 06**

### **GE2 T : Geospatial Technology**

#### **Geospatial Technology**

1. Components, scope and historical development of geospatial technology
2. Concepts of spheroid, ellipsoid and projection systems. Significance of WGS 84 and UTM
3. Data types and structures in spatial technology.
4. Principles of land-based surveying with reference to auto level and total station
5. Classification of Remote Sensing platforms, sensors and resolution. IRS (Resourcesat and Cartosat) and Landsat systems.
6. Principles of georeferencing of maps and images
7. Image enhancement, band combination and rationing. Vegetation indices.
8. Image classification and preparation of thematic maps. Raster to vector conversion.
9. Sources, preparation and manipulation of GIS data. Spatial modelling and overlay analysis.
10. GNSS: Principles of satellite positioning and navigation. Collection of waypoints and exporting to GIS
11. Principles of preparing DEMs from optical and RADAR sensors with reference to CartoDEM and SRTM data
12. Integration of different components of spatial technology. Development of web-based spatial platforms with reference to Bhuvan and Google Earth / Google Map

#### **Reference Books**

C. Esperança and H. Samet, An overview of the SAND spatial database system, to appear in Communications of the ACM, 1997. <http://www.cs.umd.edu/~hjs/pubs/sandprog.ps.gz>

- ▶ G. Hjaltason and H. Samet, Ranking in Spatial Databases in Advances in Spatial Databases —4th Symposium, SSD'95, M. J. Egenhofer and J. R. Herring, Eds., Lecture Notes in Computer Science 951, Springer-Verlag, Berlin, 1995, 83-95. <http://www.cs.umd.edu/~hjs/pubs/incnear.ps>
- ▶ H. Samet, Spatial Data Structures in Modern Database Systems: The Object Model, Interoperability, and Beyond, W. Kim, Ed., Addison-Wesley/ACM Press, 1995, 361-385. <http://www.cs.umd.edu/~hjs/pubs/kim.ps>
- ▶ H. Samet, Applications of Spatial Data Structures: Computer Graphics, Image Processing, and GIS, Addison-Wesley, Reading, MA, 1990. ISBN 0-201- 50300-0.
- ▶ H. Samet, the Design and Analysis of Spatial Data Structures, Addison-Wesley, Reading, MA, 1990. ISBN 0-201-50255-0.
- ▶ H. Samet and W. G. Aref, Spatial Data Models and Query Processing in Modern Database Systems: The Object Model, Interoperability, and Beyond, W. Kim, Ed., Addison-Wesley/ACM Press, 1995, 338-360. <http://www.cs.umd.edu/~hjs/pubs/kim2.ps>
- ▶ C. D. Tomlin, Geographic Information Systems and Cartographic Modeling, Prentice-Hall, Englewood Cliffs, NJ, 1990. ISBN 0-13-350927-3

## **GE3: Geography of Tourism**

**Credits 06**

### **GE3T: Geography of Tourism**

1. Scope and Nature: Concepts and Issues, Tourism, Recreation and Leisure Inter-Relations; Geographical Parameters of Tourism by Robinson.
2. Types of Tourism: Ecotourism, Cultural Tourism, Adventure Tourism, Medical Tourism, Pilgrimage, International, National
3. Factors influencing tourism: historical, natural, socio-cultural and economic; motivating factors for pilgrimages
4. Spatial pattern of tourism: Spatial affinity; areal and locational dimensions comprising physical, cultural, historical and economic; International travel destinations- cultural and historical
5. Impact of tourism: physical, economic and social and perceptive positive and negative impacts;
6. Environmental laws and tourism - current trends, spatial patterns and recent changes;
7. Role of foreign capital and impact of globalization on tourism
8. Recent Trends of Tourism: International and Regional; Domestic (India); Sustainable Tourism, Meeting Incentives Conventions and Exhibitions (MICE)
9. Tourism in India: Tourism Infrastructure; Regional dimensions of tourist attraction; Case Studies of Dal lake, Goa, Garhwal Himalaya, Desert and Coastal Areas
10. Promotion of Tourism - National Tourism Policy
11. Infrastructure and support system - accommodation and supplementary accommodation; other facilities and amenities
12. Tourism circuits-short and longer detraction - Agencies and intermediaries - Indian hotel industry.

### **Suggested Readings:**

1. Dhar, P.N. (2006) International Tourism: Emerging Challenges and Future Prospects. Kanishka, New Delhi.
2. Hall, M. and Stephen, P. (2006) Geography of Tourism and Recreation – Environment, Place and Space, Routledge, London.
3. Kamra, K. K. and Chand, M. (2007) Basics of Tourism: Theory, Operation and Practise, Kanishka Publishers, Pune.
4. Page, S. J. (2011) Tourism Management: An Introduction, Butterworth-Heinemann- USA. Chapter 2.
5. Raj, R. and Nigel, D. (2007) Morpeth Religious Tourism and Pilgrimage Festivals Management: An International perspective by, CABI, Cambridge, USA, [www.cabi.org](http://www.cabi.org).
6. Tourism Recreation and Research Journal, Centre for Tourism Research & Development, Lucknow
7. Singh Jagbir (2014) “Eco-Tourism” Published by - I.K. International Pvt. Ltd. S-25, Green Park Extension, Uphaar Cinema Market, New Delhi, India ([www.ikbooks.com](http://www.ikbooks.com)).

**Or**

**GE-3: Rural Development**

**Credits 06**

**GE3T: Rural Development**

**Rural Development**

1. Defining Development: Inter-Dependence of Urban and Rural Sectors of the Economy
2. Paradigms of Rural Development: Lewis Model of Economic Development, 'Big Push' theory of Development, Myrdal's thesis of 'Spread and Backwash Effects'
3. Need for Rural Development, Gandhian Approach to Rural Development
4. Rural Economic Base: Agriculture and Allied Sectors, Seasonality and Need for expanding Non-Farm Activities,
5. Rural Co-operatives and agricultural marketing
6. Area Based Approach to Rural Development: Drought Prone Area Programmes, PMGSY
7. Target Group Approach to Rural Development: SJSY, MNREGA, Jan DhanYojana
8. Provision of Services – Physical and Socio-Economic Access to Elementary Education and Primary Health Care and Micro credit; Concept of PURA
9. Rural Governance: Panchayati Raj System
10. Rural Development Policies and Programmes in India
11. Rural Infrastructural Development programmes relating to: Rural Electrification, Transport, Housing, and Connectivity
12. Rural Development Programmes for Women and children: Janani SurakshaYojana , National Nutrition Mission, Drinking water and sanitation programmes, NRHM, Sarva Sikha Mission

**Reference Books**

- ▶ Gilg A. W., 1985: An Introduction to Rural Geography, Edwin Arnold, London.
- ▶ Krishnamurthy, J. 2000: Rural Development - Problems and Prospects, Rawat Publs., Jaipur
- ▶ Lee D. A. and Chaudhri D. P. (eds.), 1983: Rural Development and State, Methuen, London.
- ▶ Misra R. P. and Sundaram, K. V. (eds.), 1979: Rural Area Development: Perspectives and Approaches, Sterling, New Delhi.
- ▶ Misra, R. P. (ed.), 1985: Rural Development: Capitalist and Socialist Paths, Vol. 1, Concept, New Delhi.
- ▶ Palione M., 1984: Rural Geography, Harper and Row, London.
- ▶ Ramachandran H. and Guimaraes J.P.C., 1991: Integrated Rural Development in Asia – Learning from Recent Experience, Concept Publishing, New Delhi.
- ▶ Robb P. (ed.), 1983: Rural South Asia: Linkages, Change and Development, Curzon Press.
- ▶ UNAPDI 1986:Local Level Planning and Rural Development: Alternative Strategies. (United Nations Asian & Pacific Development Institute, Bangkok), Concept Publs. Co., New Delhi.

- ▶ Wanmali S., 1992: Rural Infrastructure Settlement Systems and Development of the Regional Economy in South India, International Food Policy Research Institute, Washington, D.C.
- ▶ Yugandhar, B. N. and Mukherjee, Neela (eds.) 1991: Studies in Village India: Issues in Rural Development, Concept Pubs. Co., New Delhi.

#### **GE-4: Regional Development**

**Credits 06**

#### **GE4T: Regional Development**

#### **Regional Development**

1. Definition of Region; Types and need of regional planning
2. Choice of a region for planning; Characteristics of an Ideal Planning Region; Delineation of Planning Region
3. Regionalization of India for Planning (Agro-ecological zones)
4. Strategies/Models for Regional Planning: Growth Pole Model of Perroux
5. Growth Centre Model in Indian Context; Concept of Village Cluster
6. Problem Regions and Regional Planning; Backward Regions and Regional Plans: Special Area Development Plans in India. DVC- The Success Story and its Failures.
7. Changing concept of development and underdevelopment; Efficiency-equity debate
8. Indicators of development: Economic, social and environmental. Concept of Human development
9. Regional development in India, regional inequality, disparity and diversity
10. Development and Regional Disparities in India since Independence: Disparities in Agricultural Development
11. Development and Regional Disparities in India since Independence: Disparities in Industrial Development
12. Development and Regional Disparities in India since Independence : Disparities in Human Resource Development in terms of education and health

#### **Reference Books**

- ▶ Adell, Germán (1999) Literature Review: Theories and Models Of The Peri-Urban Interface: A Changing Conceptual Landscape, Peri-urban Research Project Team, Development Planning Unit, University College London at
- ▶ Bhatt, L.S. (1976) Micro Level Planning in India. KB Publication, Delhi
- ▶ Deshpande C. D., 1992: India: A Regional Interpretation, ICSSR, New Delhi.
- ▶ Dreze J. and A. Sen, Indian Development: Select Regional Perspectives (Oxford: Oxford University Press, 1996).
- ▶ Ses, Amratya (2000) Development as Freedom. Random House, Toronto
- ▶ Raza, M., Ed. (1988). Regional Development. Contributions to Indian Geography. New Delhi, Heritage Publishers.
- ▶ Rapley, John (2007) Understanding Development: Theory and Practice in the 3rd World. Lynne Rienner, London.
- ▶ Schmidt-Kallert, Einhard (2005) A Short Introduction to Micro-Regional Planning, Food and Agriculture Organization of the United Nations (FAO) at

- ▶ Sdyasuk Galina and P Sengupta (1967): Economic Regionalisation of India, Census of India

Or

**GE-4: Sustainable Development**

**Credits 06**

**GE4T: Sustainable Development**

### **Sustainable Development**

1. Sustainable Development: Historical Background, Definition, Components, Limitations
2. The Millennium Development Goals: International goals and National Strategies
3. Sustainable Regional Development: Need and examples from different Ecosystems
4. Inclusive Development: Education and Health
5. Climate change and sustainable development: Policies and global cooperation
6. The role of higher education in sustainable development
7. Poverty and disease; Human right to health; Challenges of Universal Health Coverage
8. Sustainable Development Policies and Programmes: The proposal for SDGs at Rio+20; Illustrative SDGs; Goal-Based Development
9. Sustainable Development: Financial issues
10. Good Governance for sustainable development
11. National Environmental Policy, Clean development mechanism
12. Sustainable regional resource development and livelihood security

### **Reference Books**

- ▶ Agyeman, Julian, Robert D. Bullard and Bob Evans (Eds.) (2003) *Just Sustainabilities: Development in an Unequal World*. London: Earthscan. (Introduction and conclusion.)
- ▶ Ayers, Jessica and David Dodman (2010) "Climate change adaptation and development I: the state of the debate". *Progress in Development Studies* 10 (2): 161-168.
- ▶ Baker, Susan (2006) *Sustainable Development*. Milton Park, Abingdon, Oxon; New York, N.Y.: Routledge. (Chapter 2, "The concept of sustainable development").
- ▶ Brosius, Peter (1997) "Endangered forest, endangered people: Environmentalist representations of indigenous knowledge", *Human Ecology* 25: 47-69.
- ▶ Lohman, Larry (2003) "Re-imagining the population debate". *Corner House Briefing* 28.
- ▶ Martínez-Alier, Joan et al (2010) "Sustainable de-growth: Mapping the context, criticisms and future prospects of an emergent paradigm" *Ecological Economics* 69: 1741-1747.
- ▶ Merchant, Carolyn (Ed.) (1994) *Ecology*. Atlantic Highlands, N.J: Humanities Press. (Introduction, pp 1- 25.)
- ▶ Osorio, Leonardo et al (2005) "Debates on sustainable development: towards a holistic view of reality". *Environment, Development and Sustainability* 7: 501-518.

- ▶ Robbins, Paul (2004) Political Ecology: A Critical Introduction. Blackwell Publishing.
- ▶ Singh, R.B. (Eds.) (2001) Urban Sustainability in the Context of Global Change, Science Pub., Inc., Enfield (NH), USA and Oxford & IBH Pub., New Delhi

Or

**GE-4: Climate Change: Vulnerability and Adaptations**

**Credits 06**

**GE4T:Climate Change: Vulnerability and Adaptations**

1. The Science of Climate Change: Origin, scope and trends.
2. Understanding Climate Change with reference to the Geological Time Scale
3. Evidences and factors of climate change: the nature- man dichotomy
4. Green House Gases and Global Warming
5. Electromagnetic spectrum, Atmospheric window, heat balance of the earth
6. Global climatic assessment: IPCC reports
7. Climate change and vulnerability: Physical; economic and social
8. Impact of Climate Change: Agriculture and Water; Flora and Fauna; Human Health and morbidity
9. Global initiatives to climate change mitigation: Kyoto Protocol, Carbon trading, Clean development mechanism, COP, Climate fund
10. Climate change vulnerability assessment and adaptive strategies with particular reference to South Asia
11. National Action Plan (of India) on Climate Change
12. Role of Urban Local Bodies, Panchayats and educational institutions on climate change mitigation: Awareness and action programmes.

**Reference Books**

- ▶ IPCC. (2007) Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change.
- ▶ IPCC (2014) Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
- ▶ IPCC (2014) Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part B: Regional Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
- ▶ Palutikof, J. P., van der Linden, P. J. and Hanson, C. E. (eds.), Cambridge University Press, Cambridge, UK.
- ▶ OECD. (2008) Climate Change Mitigation: What Do we do? Organisation and Economic Co-operation and Development.
- ▶ UNEP. (2007) Global Environment Outlook: GEO4: Environment for Development, United Nations Environment Programme.
- ▶ Singh, M., Singh, R.B. and Hassan, M.I. (Eds.) (2014) Climate change and biodiversity: Proceedings of IGU Rohtak Conference, Volume 1. Advances in Geographical and Environmental Studies, Springer

- ▶ Sen Roy, S. and Singh, R.B. (2002) Climate Variability, Extreme Events and Agricultural Productivity in Mountain Regions, Oxford & IBH Pub., New Delhi.













Phone: 7908040652/7501133806

## SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014

P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650

[www.amdabadcollege.in](http://www.amdabadcollege.in) | Email: [sjmahavidyalaya@gmail.com](mailto:sjmahavidyalaya@gmail.com)

### 7.1.3 Integration of sustainability principles into the curriculum to foster a culture of environmental responsibility

#### SUBJECT: PHYSIOLOGY

Programme	Course type	Course number	Course Title	Content relating to environment and sustainability
BSc General	Discipline Specific Elective	DSE1A	Sports Physiology, Work Physiology and Ergonomics	The components of ergonomics and anthropometry in the course focus on environment and sustainability. The basic concepts of ergonomics and their application in industry to improve efficiency are studied in this course. The importance of ergonomics in ensuring occupational health and well-being, improving the physical work environment, protecting against occupational hazards (both physical and biochemical), and occupational diseases like silicosis, asbestosis, and farmer's lungs, is studied in depth. Assurance of industrial safety is also an area of focus. The emphasis in ergonomics of mutual adaptability between humans and the environment is underscored.



Phone: 7908040652/7501133806

# SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014

P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650

[www.amdabadcollege.in](http://www.amdabadcollege.in) | Email: [sjmahavidyalaya@gmail.com](mailto:sjmahavidyalaya@gmail.com)

**Syllabus with issues relating to  
environment and sustainability  
identified above marked up  
(in bright pink)**

# **VIDYASAGAR UNIVERSITY**



**Curriculum for 3-year B.Sc. (General)**

## **Physiology**

**Revised Syllabus under CBCS  
(w. e. f. 2022-2023)**

**Vidyasagar University  
Midnapore 721102  
West Bengal**

# Vidyasagar University

## Curriculum for B.Sc. (General) in Physiology [Revised Syllabus w.e.f. 2022-23]

### SEMESTER-I

#### Course Structure

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
CC1 [DSC-1A]		DSC-1AT: Cellular Physiology, Biophysical Principles, Biochemistry, Digestive system & Metabolism	Core Course-1	4	0	4	6	75
		DSC-1AP: Fresh tissue experiments & Identification of permanent slides						
CC2 [DSC-2A]		DSC-2A: TBD (from other Discipline)	Core Course-2				6	75
CC3 [DSC-3A]		DSC-3A: TBD (from other Discipline)	Core Course-3				6	
AECC (Elective)		English	AECC (Elective)	1	1	0	2	50
<b>Semester Total</b>							<b>20</b>	<b>275</b>

L=Lecture, T=Tutorial, P=Practical, CC = Core Course, TBD = To be decided, AECC (Elective) = Ability Enhancement Compulsory Course (Elective)

DSC-1 = Discipline Specific Core of Subject-1, DSC -2 = Discipline Specific Core of Subject-2, DSC -3 = Discipline Specific Core of Subject-3

## SEMESTER- I

**DSC-1A (CC-1): Cellular Physiology, Biophysical Principles, Biochemistry, Digestive system & Metabolism** **Credits 06**

**DSC1AT: Cellular Physiology, Biophysical Principles, Biochemistry, Digestive system & Metabolism** **Credits 04**

### Course Contents:

#### • Cellular Physiology and Biophysical Principles

Membrane physiology: structure and functions of cell- Endoplasmic reticulum, Golgi complex, Peroxisome, Mitochondria, Ribosome.

Tissue- Structure, classification, distribution and function of different human tissues. Physicochemical principles and Physiological importance of: Diffusion, Osmosis, Adsorption, Absorption, pH and buffers, Colloids.

Enzymes - classification, coenzymes, factors affecting enzyme action, Isozymes.

#### • Biochemistry and Metabolism:

**Carbohydrates** : classification , structure and properties

**Proteins** : Classification , order of structure (elementary idea), Amino acids: classification and properties **Lipids** : classification. Fatty acids – Classification, and properties, lipoprotein – Classification and structure **Nucleic acid** – structure of DNA and RNA

**Vitamins** – classification and functions. Minerals – functions of Sodium, Potassium, Calcium, Phosphorus, Iron, Zinc, Iodine and Fluoride.

**Metabolism** – Glycolysis, TCA cycle, Beta oxidation of saturated fatty acid, Ketone bodies – formation and significance. Deamination, Transamination. Amino acid pool, Urea cycle.

#### • Digestive System:

Alimentary canal and digestive glands – Structure in relation to functions. Composition, functions and regulation of secretion of digestive juices including bile. Digestion and absorption of carbohydrate, protein and lipid. Movements of the stomach and small intestine.

**DSC1AP: Fresh tissue experiments & Identification of permanent slides (Practical)** **Credits 02**

### Contents:

#### 1. Fresh tissue experiments:

- Study of compound microscope
- Examination & staining of fresh tissue: squamous, ciliated & columnar epithelium, skeletal muscle fibre (Rat/ Goat) by Methylene blue stain.
- Transitional epithelium, mesentery (Rat/ Goat) (counter stain by Methylene blue)

#### 2. Identification of permanent slides:

- Lung, spleen, liver, salivary glands, pancreas, oesophagus, stomach, small intestine, large intestine, ovary, adrenal, testis, thyroid, spinal cord, cerebellum, cerebral cortex, kidney, skin, tongue



## Suggested Readings:

1. Text book of Medical Physiology, by A.C. Guyton, John E. Hall, Eleventh edition. Elsevier Saunders.
2. Vander et al's Human Physiology: The Mechanisms of Body Function; 9th Edition Eric P. Widmaier, Hershel Raff, Kevin T. Strang The Mc Graw-Hill Companies.
3. Human Physiology, From Cells to Systems Lauralee Sherwood, Brooks/Cole.
4. Best & Taylor's Physiological Basis of Medical Practice, edited by B.R Brobeck. The William and Wilkins Co.
5. Ganong's Review of Medical Physiology, by Kim E. Barrett et al., Lange Medical Book.
6. Harper's Review of Biochemistry by R K. Murry and others. Lange Medical Book, Prentice-Hall International.
7. Lehninger Principles of Biochemistry, by, D. L. Nelson and M. M. Cox, CBS Publishers Inc.
8. Text book of Biochemistry, by E.S. West, W.R. Todd, H.S. Mason, J.T. Van Bruggen, The Macmillan Company.
9. Biochemistry, by D. Das: Academic Publishers.
10. Biophysics and Biophysical Chemistry, by D .Das, Academic Publishers.
11. Samson Wright's Applied Physiology, edited by C.A. Keele. E. Neil & N. Toets. Oxford University Press.
12. Physiology, by R.M. Berne & M.N. Levy, B.M. Koeppen, B. A. Stanton, Mosby Co.
13. Basic Histology, by L.C. Jungquire, J. Carneiro& J.A Long; Appleton & Lange.
14. Neuroscience Third Edition Edited By D. Purves, G. J. Augustine, D. Fitzpatrick, W. C. Hall, A S.I. Lamantia, J.O. Mcnamara, S. M Williams, Publishers Sinauer Associates, Inc.
15. Histology - A Text and Atlas, by M.H.Ross&E.J.Reith, The Williams and Wilkins Company.
16. Bailey's Text Book of Histology, revised by W.M. Copenhaver; The Williams and Wilkins Company.
17. Human Physiology, by R.F. Schmidt & G. Thews, Springer-Verlag.

# Vidyasagar University

## Curriculum for B.Sc. (General) in Physiology [Revised Syllabus w.e.f. 2022-23]

### SEMESTER-II

#### Course Structure

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
CC4 [DSC-1B]		DSC-1BT: Blood, body fluid and immune System, Cardiovascular System and Respiratory System.	Core Course-4	4	0	4	6	75
		DSC-1BP: Practical						
CC5 [DSC-2B]		DSC-2B: TBD (from other Discipline)	Core Course-5				6	75
CC6 [DSC-3B]		DSC-3B: TBD (from other Discipline)	Core Course-6				6	75
AECC (Elective)		ENVS	AECC-2 (Elective)				4	100
<b>Semester Total</b>							<b>22</b>	<b>375</b>

L=Lecture, T=Tutorial, P=Practical, CC = Core Course, TBD = To be decided, AECC (Elective) = Ability Enhancement Compulsory Course (Elective); ENVS - Environmental Studies

DSC-1 = Discipline Specific Core of Subject-1, DSC -2 = Discipline Specific Core of Subject-2, DSC -3 = Discipline Specific Core of Subject-3

## SEMESTER- II

**DSC-1B (CC-4): Blood, body fluid and immune System, Cardiovascular System and Respiratory System**  
**Credits 06**

**DSC1BT: Blood, body fluid and immune System, Cardiovascular System and Respiratory System**  
**Credits 04**

### Course Contents:

#### Blood and Body fluids:

**Blood :** Properties of blood, Composition, character, properties and function of blood. Plasma proteins: origin, separation and functions. Plasmapheresis. Erythrocytes : Morphology, fate and functions. Erythropoiesis: Definition, steps of erythropoiesis, role of different factors on erythropoiesis. Haemoglobin: functions, derivatives. Abnormal haemoglobin. Anaemia: different types, Clinical significances. Leucopoiesis. Leucocytes : morphology, and functions. Phagocytosis, Inflammation. Leukaemia. Platelets: Structure, functions. Significance of platelets counts. Coagulation of blood: Mechanism of blood coagulation, factors affecting blood coagulations, Anticoagulants. Bleeding disorders, tests for bleeding disorders. Coagulation time, bleeding time, prothrombin time.

Blood groups - The ABO systems, The Rh systems, Importance of blood groups, Immunological basis of identification of ABO and Rh blood groups. Cross matching, Donor and Recipient. Blood transfusion- Precaution and hazards of blood transfusions. The RH system and pregnancy, Erythroblastosis foetalis. Blood volume: Normal value. Determination of blood volume. factors influencing blood volume, regulation of blood volume.

**Body fluids:** Intracellular and extra cellular compartment of body fluids. Lymph and tissue fluids: Composition, function and fate of lymph and tissue fluids.

#### Immune System

Immune system: Overview, properties of immune system, types of immunity : innate immunity, acquired immunity, active and passive immunity. First and second line defence. Humoral and Cell mediated immunity. Complement system. Immune Competent cells : structure and functions of neutrophil, B lymphocytes, T- lymphocytes (helper, cytotoxic and suppressor), Natural killer cells, monocytes – macrophages. Primary and Secondary lymphoid organs.

Antigen and Antibody : Properties of immunogen, antigens and haptens. Classification, structure and functions of immunoglobulins. Antigen- antibody reaction, physiological effects and clinical significances. Vaccination: Immunization- Passive and active immunization. Vaccine.

#### Cardiovascular system:

Cardiovascular system - Anatomy and histology of the heart. Properties of cardiac muscle. Origin and propagation of cardiac impulse. Electrophysiology of cardiac tissue. Heart rate and its regulations. Frank – Starlings law's of heart. Electrocardiography

Cardiac cycle: Events. Different phases and factors affecting. Heart sounds. Cardiac output: definition, factors affecting.

Pulse - arterial and venous. Blood pressure and its regulation and factors controlling. Baro and Chemoreceptor.

### **Respiratory System:**

Anatomy and histology of the respiratory passage and organs. Role of respiratory muscles in breathing. Lung Compliance & surfactant, Significance of physiological and anatomical dead space. Lung volumes and capacities. Exchange of respiratory gases between lung and blood and between blood and tissues. Transport of oxygen and carbon dioxide in blood. Hypoxia, asphyxia, dyspnea, asthma, cyanosis, dysbarism.

### **DSC1BP: Practical**

**Credits 02**

### **Contents:**

#### **Haematology:**

1. Preparation of blood film of your own blood. Staining of the blood film with Leishman's stain. Identification of different types of blood corpuscles.
2. Determination of TC of RBC and WBC by haemocytometer.
3. Differential count of WBC.
4. Determination of ESR of human blood.
5. Estimation of haemoglobin by haemoglobinometer.
6. Preparation of haemin crystals.
7. Determination of Blood groups.
8. Determination of clotting time, bleeding time, prothrombin time.

#### **Human Experiment:**

1. Measurement of arterial blood pressure by Sphygmomanometer at rest and after exercise, Calculate the mean arterial blood pressure (MABP)
2. Measurement of heart rate and pulse rate (30 beats methods) during rest and exercise and graphical plotting.
3. Modified Harvard step test and determination of physical fitness.
4. Demonstration: Measurement of oxygen saturation by pulse oxymeter before and after exercise. Measurement of Peak Expiratory Flow Rate.

### **Suggested Readings:**

1. Text book of Medical Physiology, by A.C. Guyton, John E. Hall, Eleventh edition. Elsevier Saunders.
2. Vander et al's Human Physiology: The Mechanisms of Body Function; 9th Edition Eric P. Widmaier, Hershel Raff, Kevin T. Strang The Mc Graw-Hill Companies.
3. Human Physiology, From Cells to Systems Lauralee Sherwood, Brooks/Cole.
4. Best & Taylor's Physiological Basis of Medical Practice, edited by B.R Brobeck. The William and Wilkins Co.
5. Ganong's Review of Medical Physiology, by Kim E. Barrett et al., Lange Medical Book.
6. Harper's Review of Biochemistry by R K. Murry and others. Lange Medical Book, Prentice-Hall International.
7. Lehninger Principles of Biochemistry, by, D. L. Nelson and M. M. Cox, CBS Publishers Inc.

8. Text book of Biochemistry, by E.S. West, W.R. Todd, H.S. Mason, J.T. Van Bruggen, The Macmillan Company.
9. Biochemistry, by D. Das: Academic Publishers.
10. Biophysics and Biophysical Chemistry, by D .Das, Academic Publishers.
11. Samson Wright's Applied Physiology, edited by C.A. Keele. E. Neil & N. Toets. Oxford University Press.
12. Physiology, by R.M. Berne & M.N. Levy, B.M. Koeppen, B. A. Stanton, Mosby Co.
13. Basic Histology, by L.C. Jungquire, J. Carneiro& J.A Long; Appleton & Lange.
14. Neuroscience Third Edition Edited By D. Purves, G. J. Augustine, D. Fitzpatrick, W. C. Hall, A S.I. Lamantia, J.O. Mcnamara, S. M Williams, Publishers Sinauer Associates, Inc.
15. Histology - A Text and Atlas, by M.H.Ross&E.J.Reith, The Williams and Wilkins Company.
16. Bailey's Text Book of Histology, revised by W.M. Copenhaver; The Williams and Wilkins Company.
17. Human Physiology, by R.F. Schmidt & G. Thews, Springer-Verlag.

# Vidyasagar University

## Curriculum for B.Sc. (General) in Physiology [Revised Syllabus w.e.f. 2022-23]

### SEMESTER-III

#### Course Structure

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
CC7 [DSC-1C]		DSC-1CT: Nerve –Muscle Physiology, Nervous system, Skin and Body Temperature Regulation.	Core Course-7	4	0	4	6	75
		DSC-1CP: Practical						
CC8 [DSC-2C]		DSC-2C: TBD (from other Discipline)	Core Course-8				6	75
CC9 [DSC-3C]		DSC-3C: TBD (from other Discipline)	Core Course-9				6	75
SEC-1		SEC1: Public Health and Epidemiology OR Environmental Epidemiology	Skill Enhancement Course-1				4	100
<b>Semester Total</b>							<b>22</b>	<b>375</b>

L=Lecture, T=Tutorial, P=Practical, CC = Core Course, TBD = To be decided, SEC = Skill Enhancement Course; DSC-1 = Discipline Specific Core of Subject-1, DSC -2 = Discipline Specific Core of Subject-2, DSC -3 = Discipline Specific Core of Subject-3

# SEMESTER- III

## Course Structure

**DSC-1C (CC-7): Nerve –Muscle Physiology, Nervous system, Skin and Body Temperature Regulation** **Credits 06**

**DSC1CT: Nerve –Muscle Physiology, Nervous system, Skin and Body Temperature Regulation** **Credits 04**

### **Course Contents:**

#### **Nerve-Muscle Physiology:**

Different types of muscle and their structures. Red and white muscles. Properties of muscle: all or none law, rheobase, chronaxie, summation, refractory period, tetanus and fatigue. Smooth Muscle: Morphology, Single-unit and multi-unit smooth muscle.

Mechanism of skeletal muscle contraction. Isotonic and isometric contraction..

Structure and classification of nerves. Nerve cells. Excitation & Conduction. Degeneration and regeneration of nerve fibre. Myelination. Origin and propagation of nerve impulse. Velocity of impulse in different types of nerve fibres. Properties of nerve fibre: all or none law, rheobase, chronaxie, refractory period.

Synapse: structure , functional anatomy, mechanism of synaptic transmission. Electrical Events at Synapses, Motor unit, motor point. EPSP, IPSP.

Neuromuscular junction: structure, mechanism of impulse transmission, end plate potential. A brief overview on neurotransmitters. Electromyography.

#### **Nervous System:**

A brief outline of organization and basic functions of the nervous system - central and peripheral nervous system. Structural organization of the different parts of the brain and spinal cord. Receptors : Definition, structure, classification, mode of action. Blockers and stimulators. Reflexes: Introduction, Monosynaptic Reflexe, Stretch Reflex, General Properties of Reflexes. Reflex action - definition, classification, properties, reflex arc.

Ascending and Descending tracts : Origin, course, terminations, and functions of pyramidal and pain pathway.

The Autonomic Nervous System - Introduction, Anatomic Organization of Autonomic Outflow, Chemical Transmission at autonomic Junctions.

CSF: composition, formation, circulation and functions.

#### **Skin and Body temperature regulation:**

Histological structure of skin. Colour of the skin. Organization of sweat gland. Composition and function of the sweat. Regulation of sweat secretion. Insensible and sensible perspiration. Composition and function of sebum. Triple response.

Normal body temperature. Channels of heat loss and heat gain process. Regulation of body temperature. Hypothermia and Hyperthermia. Physiological basis of fever. Cold stress. Insulating effects. Acclimatization to colds.

## **DSC-1CP: Practical**

**Credits 02**

### **Contents:**

#### **Practical:**

1. Isolation and Staining of nerve fibers with node(s) of Ranvier (AgNO<sub>3</sub>).
2. Staining of skeletal and cardiac muscles by Methylene Blue stain.
3. Measurement of grip strength.
4. Recording of body temperature.
5. To study the response of the skin to blunt injury (triple response) (Demonstration)

#### **Neurological experiments:**

1. Experiments on superficial (plantar) and deep (knee jerk) reflex.
2. Reaction time by stick drop test.
3. Two point discrimination test.

#### **Demonstration:**

1. Study of Kymograph, Induction coil, Key and other instruments used to study mechanical responses of skeletal muscle.
2. Kymographic recording of mechanical responses of gastrocnemius muscle to a single stimulus and two successive stimuli.
3. Kymographic recording of the effects of variations of temperature and load (after load) on single muscle twitch.
4. Calculation of work done by the muscle

### *Skill Enhancement Course (SEC)*

#### **SEC- 1: Public Health and Epidemiology**

**Credits 02**

#### **SEC1T: Public Health and Epidemiology**

**Credits 02**

#### **Course Contents:**

Principles of Epidemiology in Public Health: Overview of epidemiology methods used in research studies to address disease patterns in community and clinic-based populations, distribution and determinants of health-related states or events in specific populations, and strategies to control health problems

Statistical Methods for Health Science Analysis and interpretation of data including data cleaning, data file construction and management; implementation of analytic strategies appropriate for the type of data, study design and research hypothesis; parametric and nonparametric methods, measures of association, Linear and Logistic regression, Generalized Linear Modeling, and Survival analysis

Environmental Health. Effects of biological, chemical, and physical agents in environment on health (water, air, food and land resources); ecological model of population health; current legal framework, policies, and practices associated with environmental health and intended to improve public health.

Psychological, Behavioural, and Social Issues in Public Health. Cultural, social, behavioural, psychological and economic factors that influence health and illness; behavioural science theory and methods for



understanding and resolving public health problems; assess knowledge, attitudes, behaviours towards disease and patient compliance to treatment.

Management of Health Care Program and Service Organizations Techniques and procedures for monitoring achievement of a program's objectives, generating evidence of program effectiveness, assessing impacts in public health settings; evaluation of framework that leads to evidence-based decision-making in public health. Organizational principles and practices including organizational theory, managerial role, managing groups, work design, and organization design at primary, secondary, and tertiary levels of care

Epidemiology of disease. Contemporary methods for surveillance, assessment, prevention, and control of infectious and chronic diseases, disabilities, HIV/AIDS; understanding etiology; determining change in trend over time; implementation of control measures.

### **Suggested Readings:**

1. Gordis Leon. Epidemiology (Fifth edition), Elsevier Saunders.
2. Dona Schneider and David E. Lilienfeld. Lilienfeld's Foundations of Epidemiology, Fourth Edition, Oxford University Press, USA.
3. Porta Miquel. A Dictionary of Epidemiology, Oxford University Press, USA,
4. Somerville Margaret, et al., Public Health and Epidemiology at a Glance, Second Edition, Wiley-Blackwell.
5. Beaglehole. R. Bonita, et. al Basic Epidemiology, 2nd Edition, WHO Publication, Geneva.
6. Spasoff R.A. Epidemiologic Methods for Health Policy, Oxford University Press.
7. Barkar, D.J.P., Practical Epidemiology: Churchill pub, Livingstone.
8. Knox E. G. Epidemiology in health care planning: A Guide to the Uses of a Scientific Method, Oxford University Press, USA.

**OR**

**SEC-1: Environmental Epidemiology**

**Credits 02**

**SEC1T: Environmental Epidemiology**

**Credits 02**

### **Course Contents:**

Introduction, Definitions, man - environment relation.

Principles- an epidemic and ingredients - and types of studies – Descriptive, analytical- cohort.

Environmental hazards and Public health management: Sources of Environmental hazards. Dose response relationship. Pollution: Air, water, noise pollution sources and effects. Waste management and hazards: Types and characteristics of wastes, biomedical waste handling and disposal, nuclear waste handling and disposal, Waste from thermal power plants. Case histories on Bhopal gas tragedy, Chernobyl disaster, and Three Mile Island accident and their aftermath. Diseases: Socioeconomic factors and health impacts of different diseases: Infectious (Bacterial-Tuberculosis, Typhoid; Viral - AIDS, Poliomyelitis, Hepatitis; Protozoan- Malaria); Lifestyle and Inherited/genetic diseases.

**Suggested Readings:**

1. Anisa Basheer, Environmental Epidemiology, Pointer Pub.
2. R.Beaglehole, R. Bonita & T. Kjellstrom Epidemiology WHO Publ., Current edition.
3. Epidemiology of Occupational Health, WHO publication.
4. Rose, G. The Strategy of Preventive Medicine, Oxford pres.
5. Gordis Leon. Epidemiology (Fifth edition), Elsevier Saunders.
6. Porta Miquel. A Dictionary of Epidemiology, Oxford University Press, USA.
7. Somerville Margaret, et al., Public Health and Epidemiology at a Glance, Second Edition, Wiley-Blackwell.
8. Spassoff R.A. Epidemiologic Methods for Health Policy, Oxford University Press.
9. Knox E. G. Epidemiology in health care planning: A Guide to the Uses of a Scientific Method, Oxford University Press, USA.

**Vidyasagar University**  
**Curriculum for B.Sc (General) in Physiology**  
 [Choice Based Credit System]

**Semester-IV**

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
<b>DSC-1D</b>		<b>DSC1DT:</b> Sensory Physiology, Endocrine and Reproductive System, Renal Physiology	Core Course	4	0	0	6	75
		- Lab		0	0	4		
<b>DSC-2D</b>	TBD	<b>DSC-2C (other Discipline)</b>	Core Course				6	75
<b>DSC-3D</b>	TBD	<b>DSC-3C (other Discipline)</b>	Core Course				6	75
<b>SEC-2</b>		<b>SEC-2:</b> Biochemical Techniques <b>Or</b> Medical Diagnostics <b>Or</b> Instrumentation Techniques in Biology	Skill Enhancement Course-2	1	1	0	2	50
<b>Semester Total</b>							<b>20</b>	<b>275</b>

**L** = Lecture, **T** = Tutorial, **P** = Practical, **CC** = Core Course, **TBD** = To be decided, **SEC** = Skill Enhancement Course.

**DSC-1** = Discipline Specific Core of Subject-1, **DSC-2** = Discipline Specific Core of Subject-2,

**DSC-3** = Discipline Specific Core of Subject-3.

**Semester-IV**  
**Core Course (CC)**

**DSC-1D (CC-4): Sensory Physiology, Endocrinology and Reproductive Physiology, Renal Physiology**

**Credit 06**

**DSC1DT: Sensory Physiology, Endocrine and Reproductive System, Renal Physiology**

**Credit 04**

**Course Contents:**

**Sensory Physiology**

Classification of general and special senses and their receptors. Muller's law of specific nerve energetic. Weber – Fechner Law, Mechanism of transduction of stimuli from sensory receptors. Adaptation of receptors. Receptors as biological transducer. Neural pathway of touch, pressure, pain, thermal and kinaesthetic sensation.

**Olfaction and Gustation:** Structure of sensory organ, neural pathway of olfactory and gustatory sensation. Physiology of olfactory and gustatory sensation. Olfactory and gustatory adaptation. After-taste. Olfactometer.

**Audition & Equilibrium:** Sound wave, decibel, Structure of ear ,anatomic consideration, Auditory apparatus- external, middle and internal ears. Organ of Corti. Mechanism of hearing and its modern theory. Vestibular function. Discrimination of sound frequency and loudness. Auditory pathways and centres.

**Vision:** Structure of the eye anatomic consideration.. Structure of the lens. Error of refraction. Pupillary reflex, Light reflex. Argyll Robertson pupil. Histology of retina. Photopic and Scotopic vision. Chemical changes in retina on exposure to light. Genesis of electrical response, Visual pathway and effects of lesions of these pathways. Light reflex. Accommodation and Visual acuity. Errors of refraction. Positive and negative after-image. Light and dark adaptation. Colour vision and colour blindness. Errors in visual processes. Electroretinogram, Visual Field, Perimetry, Binocular vision.

**Endocrinology:**

Anatomy of endocrine system. Hormones - classification. Experimental and clinical methods of study of endocrine glands. Hormone receptor and cell signalling. Mechanism and modern concepts of hormone action. Basic concept of regulation of hormone actions. Positive and negative feedback mechanism.

**Hypothalamo - Hypophysial axis:** Basic concept of neurohormone. Hypothalamo-hypophyseal tract and portal system. Releasing factors, Tropic hormones, vascular and neural connections

between the hypothalamus and pituitary.

**Pituitary gland:** Histological structure, hormones, functions and regulation of anterior, middle and posterior lobes of pituitary. Growth hormone. Oxytocin and Vasopressin. Hypo and hyperactive states of pituitary gland.

**Thyroid gland:** Histological structure. Thyroid hormone: chemistry, biosynthesis, storage and transport. Functions of thyroid hormones ( $T_4$   $T_3$ ) Thyrocalcitonin. Hypo and hyper-active states of thyroid. Regulation of thyroid hormone secretion.

**Parathyroid gland:** Histological structure, functions of parathyroid hormone. Role in calcium metabolism, Parathyroid hormone and bone. Tetany. Calcitonin- source, function and regulations.

**Adrenal Cortex:** Histological structure and functions of different hormones. Biosynthesis of adrenocortical hormone. Hypo and hyper-active states of adrenal cortex.

**Adrenal Medulla:** Histological structure, regulation and hormonal functions of adrenal medulla. Pheochromocytoma.

**Pancreas:** Histological structure of pancreatic islets. Source, regulation, mode of action and function of pancreatic hormones. Diabetes mellitus.

Brief idea of the origin and functions of renin- angiotensin, prostaglandins. Erythropoietin and melatonin. Gastrointestinal hormones- physiological functions. The endocrine function of the heart : Atrial Natriuretic Peptide and its function.

### **Reproductive Physiology:**

Primary and secondary sex organs: Anatomy and Physiology, secondary sex characters. Puberty, Precocious & Delayed Puberty.

Testis: histology, spermatogenesis, spermiogenesis, testicular hormones and their functions, Abnormalities of the testicular function. Prostate and seminal vesicle.

Ovary: histology, oogenesis, ovarian hormones and their functions. Control of ovarian functions. Physiological mechanism of ovulation. Abnormalities of ovarian functions. Ovarian cysts.

Oestrus and menstrual cycles and their hormonal control. Fertilization, implantation and structure and functions of placenta. Placental hormone. Pregnancy : Physiological changes during pregnancy. Maintenance of pregnancy – role of hormones. Pregnancy tests, Parturition, ectopic pregnancy. Development of mammary gland. Lactation - Role of hormones, Sympathetic nervous system. Menopause. Stem cell biology.

**Renal Physiology:**

Structure and functions of kidney. Microanatomy of a nephron. Juxtaglomerular apparatus. Mechanism of formation of urine. Counter current system, counter current multiplier. Function of Malpighian corpuscles and renal tubule. Normal and abnormal constituents of urine and their clinical significances. Renal threshold. Physiology of urine storage and micturation. Non excretory function of kidney. Disorders of Renal Functions. Renal stone formation. Renal function tests. Dialysis and Artificial kidney.

**DSC1DP: Practical****Credits 02**

1. Staining and identification of kidney and ureters.
2. Silver nitrate preparation of corneal cell space.
3. Study of estrous cycle.
4. Identification of normal and abnormal constituents of urine.
5. Tests for Urinary deposits.
6. Estimation of albumin in urine.
7. Detection of specific gravity of urine.
8. Determination of visual acuity by Snellen's chart / Landolt's chart.
9. Determination of colour blindness by Ishihara chart.
10. Exploration of conductive and perceptive deafness by tuning fork method.
11. Sperm count and sperm motility in rat.

**Demonstration:**

1. Study of the effects of oxytocin on uterine contraction.
2. Study of the effects of adrenaline on intestinal / uterine movements.
3. Estimation of estrogen by Spectrophotometric method.
4. Pregnancy test from human urine by kit method.
5. Quantitative estimation of Urea in Urine
6. Surgical techniques: principles of surgery in endocrinology. Ovaryectomy, hysterectomy, castration and vasectomy in rats.
12. Human vaginal exfoliate cytology.

*Skill Enhancement Course (SEC)*

**SEC-2: Biochemical Techniques****Credits 02****SEC2T: Biochemical Techniques****Course Contents:****Unit-I: Spectroscopic Techniques**

Principle of UV- Visible absorption spectrophotometry, instrumentation and applications. Fluorimetry: Phenomena of fluorescence, intrinsic and extrinsic fluorescence, instrumentation and applications

## **Unit-II: Chromatography**

Basic principles of chromatography: Partition coefficient, concept of theoretical plates, various modes of chromatography (paper, thin layer, column), preparative and analytical applications, LPLC and HPLC. Principle and applications of: Paper Chromatography, Thin Layer Chromatography. Molecular Sieve Chromatography, Ion Exchange Chromatography, Affinity Chromatography

## **Unit-III: Electrophoresis**

Basic principle of electrophoresis, Paper electrophoresis, Gel electrophoresis, discontinuous gel electrophoresis, PAGE, SDS-PAGE, Native and denaturing gels. Agarose gel electrophoresis, buffer systems in electrophoresis. Electrophoresis of proteins and nucleic acids, protein and nucleic acid blotting, detection and identification. Molecular weight determination, Isoelectric Focusing of proteins

## **Unit-IV: Centrifugation**

Principle of centrifugation, basic rules of sedimentation, sedimentation coefficient, various types of centrifuges, different types of rotors, differential centrifugation, density gradient centrifugation (Rate zonal and Isopycnic)

### **Suggested Readings:**

1. Human Molecular Genetics, 3<sup>rd</sup> edition (2003), Tom Strachan and Andrew Read; Garland Science Publishers.
2. Physical Biochemistry: Applications to Biochemistry and Molecular Biology, 2<sup>nd</sup> edition (1982), David Freifelder, W.H. Freeman and Company.
3. Principles and Techniques of Biochemistry and Molecular Biology 7<sup>th</sup> edition (2010), Wilson K and Walker J. Cambridge University Press, 2010.
4. Principles of Gene Manipulation and Genomics, 7<sup>th</sup> edition (2006), S.B. Primrose and R.M. Twyman. Blackwell Scientific
5. Molecular Biotechnology: Principles and Applications of Recombinant DNA, 4<sup>th</sup> edition (2009), Bernard R. Glick, Jack J. Paternack, Cheryl I. Patten. ASM press,
6. Molecular Cloning: A Laboratory Manual, 4<sup>th</sup> edition (2012), Three-volume set by Michael R. Green, Joseph Sambrook; Cold Spring Harbor Laboratory Press,
7. Culture of Animal Cells: A Manual of Basic Technique and Specialized Applications, 6<sup>th</sup> edition (2010),

Or

## **SEC-2: Medical Diagnostics**

**Credits 02**

### **SEC2T: Medical Diagnostics**

#### **Course Contents:**

#### **Unit-1: Biomedical basis of Diseases**

Infectious diseases (Bacterial, Viral, Protozoan); Inherited/genetic diseases (Diabetes, Hypertension); Immunological diseases [Autoimmune hemolytic anemia (AHA), Di George's Syndrome, Systemic Lupus Erythematosus (SLE)]; Cancer- Nature/ types; Treatment, Relation of pathogenesis to symptoms, diagnosis and treatment.

#### **Unit-II: Analytical Technology**

Brief and relevant description of the following Wet techniques: UV Chromatography Methods- LC, HPLC and GC-MS Nuclear Magnetic Resonance Spectroscopy (NMR) Atomic Force and Scanning Electron Microscopy (AFM and SEM) Electrochemistry Molecular Modeling and Chemical Databases

#### **Unit-III: Diagnostic Methods**

Outline methods used in hospital histopathology, biochemistry, hematology and microbiology laboratories. Theoretical knowledge - ECG, Echo, X-ray, CT, MRI, PET, Ultrasonography.

#### **Suggested Readings**

1. Bailey and Scott's Diagnostic Microbiology, 12<sup>th</sup> edition (2007), Betty A. Forbes, Daniel, F. Sahm and Alice S. Weissfeld; Mosby Elsevier Publishers.
2. Medical Laboratory Technology Methods and Interpretations Volume 1 and 2, 6<sup>th</sup> edition (2009), Ramnik Sood; Jaypee Brothers Medical Publishers.
3. Current Protocols in Human Genetics, 1<sup>st</sup> edition (1994), Dracopoli and Nicolas C. Dracopoli; John Wiley and Sons, Inc.,
4. Molecular Cloning: A Laboratory Manual, 4<sup>th</sup> edition (2012), Michael R. Green and Joseph Sambrook; Cold Spring Harbor Laboratory Press,
5. Microbiology: A Laboratory Manual, 10<sup>th</sup> edition (2013), James Cappuccino and Natalie Sherman, Benjamin Cummings,

Or

## **SEC-2: Instrumentation Techniques in Biology**

**Credits 02**



## **SEC2T: Instrumentation Techniques in Biology**

### **Course Contents:**

**Unit-I: Basics of Microscopy**-Features, Working principle, Advantages and limitations - Introduction- Bright field Microscopy - Dark Field Microscopy, Light microscopy-Construction and working of compound microscope - Phase contrast microscopy - Electron microscopy-TEM, SEM

**Unit-II: Staining methods** - Simple staining; Gram staining - Lacto-phenol cotton blue staining

**Unit-III: Optical Methods** - Features, Working principle, Advantages and Limitations - Absorption Methods; Ultraviolet Spectrophotometer; Infrared spectrophotometer - Emission methods; Atomic Absorption Spectrophotometer (AAS) Flame Photometry

**Unit-IV: Chromatography methods** - Features, Working principle, Advantages and Imitations High performance liquid chromatography (HPL Gas Chromatography

**Unit-V: Biotechnology and Immunological techniques**- Features, Working principle, Advantages and limitations - Electrophoresis –Introduction, Types of electrophoresis, Agarose gel electrophoresis, Gradient gel electrophoresis, DNA finger printing PCR Technique ELISA (Enzyme Linked Immuno Sorbant Assay)

### **Suggested Readings:**

1. A. R. Murugesan and C. Rajakumari, Environmental Science and biotechnology-Theory and Techniques, MJP Publishers.
2. M. L. Srivastava, Bioanalytical Techniques, Narosa Publishing House.
3. R.Gopalan, P.S.Subramanian and K.Rangarajan, Elements of Analytical Chemistry, Sultan Chand and Sons.
4. S.Sadasivam and A. Manicham, Biochemical methods, New Age International Publishers.

# Vidyasagar University

## Curriculum for B. Sc (General) in Physiology [Choice Based Credit System]

### Semester-V

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
DSE-1A		Any one from Discipline-1(Physiology) <b>DSE1T:</b> Sports Physiology, Work Physiology and Ergonomics <b>Or</b> Environmental Physiology <b>Or</b> Community Nutrition and Public Health <b>Or</b> Biostatistics	Core Course	4	0	0	6	75
		<b>DSE1P:</b> Sports Physiology, Work Physiology and Ergonomics(Pr) <b>Or</b> Environmental Physiology(Pr) <b>Or</b> Community Nutrition and Public Health(Pr) <b>Or</b> Biostatistics(Pr)		0	0	4		
DSE-2A	TBD	Other Discipline ( Any one from Discipline-2)/TBD	Core Course	5-1-0/4-0-4			6	75
DSE-3A	TBD	Other Discipline ( Any one from Discipline-3)/TBD		5-1-0/4-0-4			6	75
SEC-3		<b>SEC3T:</b> Maternal and Child Nutrition <b>Or</b> Nutrition and Fitness	Skill Enhancement Course-3	1	1	0	2	50
<b>Semester Total</b>							<b>20</b>	<b>275</b>

**L**=Lecture, **T**=Tutorial, **P**=Practical, **DSE**= Discipline Specific Electives, **SEC**= Skill Enhancement Course, **TBD** = To be decided.

**Discipline Specific Electives (DSE)**

**DSE-1A: Sports Physiology, Work Physiology and Ergonomics**

**Or**

**DSE-1A: Environmental Physiology**

**Or**

**DSE-1A: Community Nutrition and Public Health**

**Or**

**DSE-1A: Biostatistics**

**Skill Enhancement Course (SEC)**

**SEC-3: Maternal and Child Nutrition**

**Or**

**SEC-3: Nutrition and Fitness**

## **Semester-V**

### **Discipline Specific Electives (DSE)**

**DSE -1A: Sports Physiology, Work Physiology and Ergonomics      Credits 06**

**DSE1AT: Sports Physiology, Work Physiology and Ergonomics                      Credits 04**

#### **Course Contents:**

**Sports & work Physiology:** Concepts of Physical work and Physiological work. Physical work: Definition and units of measurement. Classification of Physical work. Classification of workloads. Differences between work and sports. Energetic of muscular works. Measurement of energy cost for various Physical Work. Cardiovascular and respiratory changes during graded exercise. Aerobic and anaerobic capacity. Maximum aerobic power.

Exercise Physiology. Exercise & Performance. Exercise Physiology & Gender. Environmental Exercise Physiology. Maximal oxygen consumption and post exercise oxygen consumption – definition, factors affecting, measurement and significance. Muscle fatigue and recovery. Tests for Physical work capacity – measurement with Bicycle Ergo meter, Tread Mill and Harvard Step Test. Work rest cycle and importance of rest pause.

Physical Training: General Principles and different methods. Effects of overtraining and detraining. Nutrition in sports – nutrient and caloric requirements for different kinds of sports. Sports injury and its management. Sports rehabilitation and sports medicine. Role of sports in emotion and social factors. Basic concepts of sports psychology. Sports Biochemistry. Ergogenic aids. Ergogenic aids & Dietary supplement.

**Ergonomic** – Basic concepts and its application in industry to improve efficiency. Ergonomics- importance of ergonomics in occupational health and well beings. Physical work environment. Occupational hazards- Physical, Biochemical Hazards. Occupation diseases – Silicosis, Asbestosis, Farmer’s Lung. Industrial safety.

**Anthropometry:** Anthropometry and its implication in general. Different body dimension measures in anthropometry and their significances. Sports Anthropometry.

**DSE1AP: Sports Physiology, Work Physiology and Ergonomics (Practical)                      Credits 02**

#### **List of Practical**

1. Measurements of resting and working heart rate using thirty beats and ten beats methods respectively.
2. Measurement of blood pressure before and after different graded exercise.

3. Determination of Physical Fitness Index (PFI) of an individual and recording of recovery heart rate after standard exercise.
4. Determine cardiac cost of specific work.
5. Determination of  $VO_{2\max}$  by Queen College step test.
6. Determination of endurance time by hand grip dynamometer.
7. Six minutes walk tests.
8. Measurement of some common anthropometric parameters – stature, weight, eye height(standing), shoulder height, sitting height, knee height (sitting), arm reach from wall, mid – arm circumference, waist circumference, hip circumference, neck circumference, head circumference, chest circumference.
9. Determination of body surface area (using a nomogram) and Body Mass Index (BMI) for an anthropometric measurement.
10. Measurement of body fat percentage.

**Or**

**DSE-1A: Environmental Physiology**

**Credits 06**

**DSE1AT: Environmental Physiology**

**Credits 04**

**Course contents:**

**Ecosystem** – structure and function, different types of ecosystem, food chains, food webs and energy flow and mineral cycling in ecosystems; primary production and decomposition, Biogeochemical cycle. Global environmental problems: global climate change, ozone layer depletion, the green house effect, global warming and its consequences.

**Environment** – Physical and biological aspects. Effects of exposure to hot and cold environment. Acclimatization to hot and cold environment. Heat disorders and its preventive measures. Effects of hypobaric and hyperbaric environment. Caisson disease. Mountain sickness. Acclimatization to high altitudes. Preventive measure for hypobaric and hyperbaric effects. Physiological effects and preventive measures against G force, noise, vibration and radiation. Types of pollutants ( Primary, secondary and tertiary).

**Environmental Pollutions and Health Hazards:** Concept of hygiene, health and public health. Air, water, food borne diseases: causes, symptoms and control. Food Additives and Adulterants: definition, examples and human health hazards. Vector Borne Epidemic Diseases: Malaria and Plague- aetiology and control.

Air Pollution: definition, sources, air pollutants, effects of air pollution on human health. Water Pollution: definition, types, health hazards, water pollutants, biochemical oxygen demand (BOD), thermal pollution, concept of safe drinking water standards. Soil Pollution: causes, health hazards, solid waste management, bioremediation, phyto-remediation. Sound Pollution: definition, concept of noise, source of sound pollution, effects of sound pollution on human health, noise index (noise standards). Radionuclide Pollution: ionizing radiations, effects of ionizing radiation on human health, permissible doses. Source, health problems and preventions

of Bio- medical waste. Environment and Health impacts assessment – Concept, Steps and application. Brief idea about biotransformation, bioaccumulation, biomagnifications. Population over growth and its effects on health. Xenobiotics. Impacts of green house effects in life. Human health, permissible doses.

**Environmental management:** Environmental ethics. Conservation of topsoil, ground water and wild lives; rain water harvesting; sanctuary, national park, biosphere reserve, wildlife (conservation) Act, 1992.

### **DSE1AP: Environmental Physiology (Practical)**

**Credits 02**

#### **Practical:**

##### **A:**

1. Measurement of environmental temperature – dry bulb and wet bulb, relative humidity, air velocity.
2. Determination of O<sub>2</sub>, CO<sub>2</sub>, BOD & COD
3. Determination of total alkalinity and chlorine in water.
4. Determination of dissolve oxygen in the supplied water samples-supplied water, ground water extracted by shallow and deep tube wells, stream waters, pond water etc.
5. Detection of food additives in different food samples.
6. Biochemical estimation of serum glucose, total proteins, SGPT and SGOT
7. Detection of food additives in different food samples.
8. Determination of light intensity ( at library, laboratory, and class room) by lux meter.
9. Determination of sound levels by sound level meter and noise index.

##### **B:**

#### **Physiological (experimental) Experiments (Demonstration)**

1. Kymographic recording of the effects of Hg, Pb , As compounds and food additives on the movements of perfused heart of toad.
2. Kymographic recordind of the effects of Hg, Pb , As compounds and food additives on the intestinal movements of rats in Dale's bath.

#### **C: Histo - chemical Experiments (Demonstration)**

Histochemical studies: chronic effects of food additives and arsenic compounds on liver, kidney, intestine, brain, muscle and lung tissues in rat.

**Or**

### **DSE-1A: Community Nutrition and Public Health**

**Credits 06**

### **DSE1AT: Community Nutrition and Public Health**

**Credits 04**

## **Course contents:**

Population, society, community and community health: concepts. Nutrition - introduction. Food as source of nutrients, functions of food, definition of nutrition, Nutrients & energy. Adequate, optimum & good nutrition. Malnutrition and under nutrition, Over nutrition. Human Nutrition- Principle, Interrelationship between nutrition, health& diseases. Visible symptoms of good health. Nutrition - fitness, athletics & sports.

Food guide - Basic food groups. Use of food guide (according to R.D.A.). Use of food in body - digestion, absorption, transport & utilization. ACU- concept.

Balanced diet. Diet Survey – Principles. Composition and nutritional value of common Indian food stuff - rice, wheat, pulses, egg, meat, fish and milk. Dietary fibres - role of fibers in human nutrition. Calorie requirement. Vitamins and Minerals. Malnutrition and under nutrition.

Principles of formulation of balanced diets for growing child, adult man and woman, pregnant and lactating woman. Diet management of obese, diabetic, hypertensive person and athlete. Basic idea on PCM, marasmus, kwashiorkor and their prevention. Iron and Iodine deficiency. Recommended dietary allowances, malnutrition and chronic energy, LBW, PEM, Xerophthalmia, micronutrient disorders. Physiology of starvation and obesity. Food toxicity. Effect of processing on nutritive values of foods.

Socio ecology of nutrition, Habitual diets in India and their adequacy. Nutritional assessment of human and community. Malnutrition in a community. National nutritional related health program.

Epidemiology : Concepts. Public health and public health issues: Basic ideas. Etiology, epidemiology and prevention of malaria, dengue, filarial, hepatitis, AIDS, nutritional anemia, atherosclerotic disorders. Cause and management of thalassemia, gout, obesity, endemic goiter, dental carries.

Population problem – principles and methods of family planning and Assisted Reproductive Technology. Sound pollution as a community health issue; definition, concept of noise, source of extraordinary sound, effects of sound pollution on human health, noise index (noise standards).

## **DSE1AP: Community Nutrition and Public Health (Practical)**

**Credits 02**

### **Practical:**

1. Quantitative estimation of glucose, sucrose by Benedict's method.
2. Estimation of lactose from milk by Benedict's methods.
3. Estimation of Chloride by Mohr's methods.
4. Estimation of amino nitrogen through formol titration methods.

5. Qualitative analysis of pulse, rice, milk to test the presence of carbohydrates, protein, fat.
6. Qualitative identification of lipids and cholesterol.
7. Qualitative assessment of noise by sound level meter.

**Field Survey Report:**

1. Survey on the status of dietary intake in the surrounding area through visits, etc.
- Or
2. Diet survey report of a family (as per ICMR specification). Each student has to submit a report on his/her own family. [Report should be as per ICMR specification. Report should be hand written].
  3. A report (hand-written) on the basis of field survey from one of the followings:
    - (1) Physiological parameters of human (at least three parameters).
    - (2) Anthropometric measurements on human (at least three parameters).

Or

**DSE-1A: Biostatistics**

**Credits 06**

**DSE1AT: Biostatistics**

**Credits 04**

**Course Contents:**

Scope of statistics– utility and misuse. Principles of statistical analysis of biological data. Basic concepts –variable. Population and Sampling -- parameter, statistic. Presentation of data frequency distribution, frequency polygon, histogram, bar diagram and pie diagram. Different classes of statistics-mean, median, mode, mean deviation, variance, standard deviation, standard error of the mean, Standard score. Degrees of freedom, Probability. Normal distribution. Student's t- distribution. Testing of hypothesis-Null hypothesis, errors of inference, levels of significance, t- test and z score for significance of difference. Distribution-free test - Chi-square test. Linear correlation and linear regression

**DSE1AP: Biostatistics (Practical)**

**Credits 02**

**Practical:**

1. Computation of mean, median, mode, standard deviation and standard error of the mean with physiological data like body temperature, pulse rate, respiratory rate, height and weight of human subjects.
2. Graphical representation of data in frequency polygon and histogram.
3. Student's t test for significance of difference between means.
4. Demonstration: Statistical analysis and graphical representation of biological data with computer application program (Microsoft Excel).



*Skill Enhancement Course (SEC)*

**SEC- 3: Maternal and Child Nutrition**

**Credits 02**

**SEC3T: Maternal and Child Nutrition**

**Course Contents:**

**Unit - I**

- Nutritional needs during pregnancy, common disorders of pregnancy (Anaemia, HIV infection, Pregnancy induced hypertension), relationship between maternal diet and birth outcome.
- Maternal health and nutritional status, maternal mortality and issues relating to maternal health.

**Unit - II**

- Nutritional needs of nursing mothers and infants, determinants of birth weight and consequences of low birth weight, Breastfeeding biology, Breastfeeding support and counselling

**Unit - III**

- Infant and young child feeding and care - Current feeding practices and nutritional concerns, guidelines for infant and young child feeding, Breast feeding, weaning and complementary feeding.
- Assessment and management of moderate and severe malnutrition among children, Micronutrient malnutrition among preschool children
- Child health and morbidity, neonatal, infant and child mortality, IMR, U5MR and MMR; link between mortality and malnutrition;

**Unit - IV**

Overview of maternal and child nutrition policies and programmes.

**Or**

**SEC-3: Nutrition and Fitness**

**Credits 02**

**SEC3T: Nutrition and Fitness**

**Course Contents:**

**Unit -1: Understanding Fitness**

- Definition of fitness, health and related terms
- Assessment of fitness
- Approaches for keeping fit

## **Unit- 2: Importance of nutrition**

- Role of nutrition in fitness
- Nutritional guidelines for health and fitness
- Nutritional supplements

## **Unit -3: Importance of Physical activity**

- Importance and benefits of physical activity
- Physical Activity – frequency, intensity, time and type with examples
- Physical Activity Guidelines and physical activity pyramid

## **Unit - 4: Weight Management**

- Assessment, etiology, health complications of overweight and obesity
- Diet and exercise for weight management
- Fad diets
- Principles of planning weight reducing diets

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# Vidyasagar University

## Curriculum for B. Sc (General) in Physiology [Choice Based Credit System]

### Semester-VI

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
DSE-1B		Any one from Discipline-1(Physiology) DSE1BT:Microbiology, Immunity and Biotechnology Or Developmental aspects of embryo and foetus Or Clinical Biochemistry Or Clinical Hematology	Core Course	4	0	0	6	75
		DSE1BP:Microbiology, Immunity and Biotechnology (Pr) Or Developmental aspects of embryo and foetus(Pr) Or Clinical Biochemistry (Pr) Or Clinical Hematology (Pr)		0	0	4		
DSE-2B	TBD	Other Discipline ( Any one from Discipline-2)/TBD	Core Course	5-1-0/4-0-4			6	75
DSE-3B	TBD	Other Discipline ( Any one from Discipline-3)/TBD		5-1-0/4-0-4			6	75
SEC-4		SEC4T:Environmental Surveillance Or Health Psychology, Physiology of stress and Stress Management Or Pharmacology and Toxicology	Skill Enhancement Course-4	1-1-0/1-0-2			2	50
<b>Semester Total</b>							<b>20</b>	<b>275</b>

L=Lecture, T=Tutorial, P=Practical, DSE= Discipline Specific Electives, SEC= Skill Enhancement Course, TBD = To be decided.

**Discipline Specific Electives (DSE)**

**DSE-1B: Microbiology, Immunity and Biotechnology**

**Or**

**DSE-1B: Developmental aspects of embryo and foetus**

**Or**

**DSE-1B: Clinical Biochemistry**

**Or**

**DSE-1B: Clinical Hematology**

**Skill Enhancement Course (SEC)**

**SEC-4: Environmental Surveillance**

**Or**

**SEC-4: Health Psychology, Physiology of stress and Stress Management**

**Or**

**SEC-4: Pharmacology and Toxicology**

**Semester- VI**

*Discipline Specific Electives (DSE)*

**DSE-1B: Microbiology, Immunity and Biotechnology**

**Credits 06**

**DSE1BT: Microbiology, Immunity and Biotechnology**

**Credits 04**

**Course Contents:**

**Microbiology:**

Viruses: DNA & RNA Viruses. Viroids and Prions. Bacteriophages – structure & morphological classification. Bacteria: structure, classification. Staining :- Principal, procedure, uses. Gram stain, Acid – fast stain, Albert stain. Pathogenic and non - pathogenic bacteria. Nutritional requirements of bacteria, nutritional types culture media. Bacterial Growth curve- Preparation, physiological factors required for growth. Bacterial metabolism: fermentation (ethanol, lactic acid, acetic acid), glyoxalate cycle, Entner – Doudoroff pathway, Phosphoketolase pathway. Bacterial Genetics: elementary idea of transformation, conjugation and transduction. Sterilization, disinfection and pasteurization: Physical and chemical methods used. Antibiotics, Bacteriostatic & Bacteriocidal agents. Bacteriolytic agents. Concepts of antiseptic, probiotics and prebiotics. Basic idea about medical bacteriology, virology and mycology.

**Immunity and Vaccination:** Elementary knowledge of innate and acquired immunity. Humoral and Cell mediated immunity. Toxin and toxoids. Vaccination : Principles and importance. Passive and active immunisation. Types and uses of vaccine.

**Biotechnology:** History and importance. DNA and RNA. Gene, Genome and Genetic code, translation. Recombinant DNA technology : concepts, techniques and application., DNA manipulation. Cloning – concept and significances. Cloning vectors. c DNA libraries. DNA sequencing. Basic concepts of Southern, Northern, Western blot techniques and DNA micro array. Polymerase Chain Reaction (PCR). RT-PCR- Basic concepts. Enzyme immobilization: basic concepts. Tissue culture – basic concepts. Human genome projects. Transgenic animals. Hybridoma techniques- Basic concepts. Monoclonal antibody. Protein interaction technology. DNA technology and gene therapy. DNA technology in diseases diagnosis. Genetic Barcode. Fermentation technology: Fermentation, types, bioreactors, Upstream and downstream processing. Physiology and biotechnology process. Bio-pesticides, bio plastics, biosensors, biochips: concepts and significances. Bio-safety and intellectual property Rights. Genomics and Proteomics.

**DSE1BP: Microbiology, Immunity and Biotechnology (Practical)**

**Credits 02**

**Practical**

1. Study disinfection and sterilization techniques.
2. Culture procedure and isolation of bacteria.
3. Gram staining techniques of bacteria. Acid- fast staining of bacteria. Spore Staining.
4. Isolation of DNA from blood.

5. Separation of DNA by agarose gel electrophoresis. Extraction of DNA from agarose gel.
6. Prepare SDS-PAGE for protein.
7. Perform immunodiffusion by Ouchterlony methods.
8. Biochemical characterization of microorganisms (**Demonstration**).
9. DNA and Protein quantification (**Demonstration**)
10. Analysis of DNA sequences (**Demonstration**).
11. Application of PCR (**Demonstration**).
12. Prepare ELISA (**Demonstration**).
13. Perform Immunoprecipitation (**Demonstration**).

**Or**

**DSE-1B: Developmental aspects of embryo**

**Credits 06**

**DSE1B T: Developmental aspects of embryo**

**Credits 04**

**Course Structure:**

**Theoretical concepts:**

General concepts of reproductive system. Stem cell : Characteristics and applications.  
 Gametogenesis: Spermatogenesis and Oogenesis. Sperm and Ovum of mammals: ultra structure.  
 Egg membrane. Fertilization in mammals.  
 Cleavage: Cleavage plane, types, role of yolk in cleavage; Cleavage process in mammals.  
 Blastula formation : Mammals. Morphogenetic movements : types and examples.  
 Gastrulation : Mammals general concepts of induction, determination and differentiation.  
 Organogenesis : Development of eye as an example of reciprocal and repeated inductive events.

**DSE1BP: Developmental aspects of embryo (Practical)**

**Credits 02**

**List of Practical**

1. Hematoxylin and Eosin staining of testicular, ovarian tissue sections.
2. Identification of spermatocytes, spermatids, Graafian follicle, Corpus Luteum.
3. Demonstration of preserved mammalian embryo.

**Or**

**DSE-1B: Clinical Biochemistry**

**Credits 06**

**DSE1BT: Clinical Biochemistry**

**Credits 04**

**Course Contents:**

**Unit 1: Introduction:** Organization of clinical laboratory, Introduction to instrumentation and automation in clinical biochemistry laboratories safety regulations and first aid. General

comments on specimen collection, types of specimen for biochemical analysis. Precision, accuracy, quality control, precautions and limitations.

**Unit 2: Evaluation of biochemical changes in diseases:** Basic hepatic, renal and cardiovascular physiology. Biochemical symptoms associated with disease and their evaluation. Diagnostic biochemical profile. Pathophysiological significances of glucose, serum protein, albumin, urea, creatinine, uric acids, ketone bodies. Pathophysiological significances of following enzymes : Lactate dehydrogenase, Creatinine kinase, Amylase, Acid and alkaline phosphatase, beta glucuronidase, SGPT & SGOT.

**Unit 3: Assessment of glucose metabolism in blood:** Clinical significance of variations in blood glucose. Diabetes mellitus. Glycosylated Hb.

**Unit 4: Lipid profile:** Composition and functions of lipoproteins. Clinical significance of elevated lipoprotein. Lipid profile in health and diseases.

**Unit 5: Liver function tests:** Structure of the liver, liver function tests, causes of different liver diseases, liver function tests in the diagnosis of liver diseases. Pathophysiological significance of bilirubin.

**Unit 6: Renal function tests and urine analysis:** Composition of urine. Use of urine strip / dipstick method for urine analysis. Basic ideas on different types of test for renal diseases.

**Unit 7: Tests for cardiovascular diseases:** Involvement of enzymes in diagnostics of heart disease including aspartate transaminase, isoenzymes of creatine kinase and lactate dehydrogenase and troponin.

**DSE1BP: Clinical Biochemistry (Practical)**

**Credits 02**

#### **List of Practical**

1. Collection of blood and storage. Separation and storage of serum.
2. Estimation of blood glucose by glucose oxidase peroxidase method.
3. Estimation of blood glucose by Nelson – Somogyi method.
4. Estimation of blood inorganic phosphates by Fiske- Subbarao method.
5. Estimation of serum total protein by Biurate methods, and determination of albumin globulin ratio.
6. Estimation of triglycerides.
7. Estimation of bilirubin (direct and indirect).
8. Quantitative determination of serum creatinine and urea.
9. Determination of serum amylase by iodometric method.
10. Estimation of creatine kinase.

**Or**

**DSE-1B: Clinical Hematology**

**Credits 06**

## **DSE1BT: Clinical Hematology**

**Credits 04**

### **Course Contents:**

Anemia and its classification. Laboratory investigation and management of anemia. Iron deficiency anemia, megaloblastic anemia, pernicious anemia- pathogenesis and laboratory investigation. Reticulocytes. Aplastic anemia- laboratory diagnosis. Bone marrow examination. Aspiration techniques.

Hemoglobin - abnormal hemoglobin. Hemolytic anemia and its laboratory investigation. Haemoglobinopathies. Hemoglobin electrophoresis. Sickle cell anemia , Thalassemia- laboratory diagnosis.

Blast cell. Causes and significances of leucocytosis, leucopenia, neutrophilia, eosinophilia, basophilia, monocytosis, lymphocytosis, neutropenia, lymphopenia. Toxic granulation. Leukemia and its classification. HIV on blood cell parameters. LE cells and its significances. Blood parasites.

Hemostasis and Coagulation: Platelet development. Qualitative and quantitative disorders of platelets. Secondary hemostasis. Hemophilia, Willebrand diseases. Disorder of fibrinogen. Fibrinolysis. Bleeding and coagulation disorders.

Blood groups: Immunological basis of identification of ABO and RH blood groups. Biochemical basis of ABO system and Bombay phenotyping. Others blood groups : Kell, Kidd, Duffy, etc. Blood transfusion. Blood banking.

Definition determination and significance of TC, DC ,ESR, Arnth count, PCV, MCV, MHC, MCHC. bleeding time, clotting time, prothrombin time.

## **DSE1BP: Clinical Hematology (Practical)**

**Credits 02**

### **List of Practical**

1. General blood picture
2. Differential Leucocyte Count. Absolute leucocyte count
3. Determination of haemoglobin by various methods.
4. Determination of total RBC count and WBC count.
5. Determination of PCV
6. Determination of red cell indices
7. Determination of ESR.
8. Determination of reticulocyte count.
9. Staining of bone marrow
10. Determination of blood groups.



11. Determination of toxic granulation of neutrophil
12. Determination of total platelet count.
13. Demonstration of thrombin time.(**Demonstration**)
14. Perform sickling test (**Demonstration**)
15. Perform Heinz bodies( **Demonstration**)
16. Demonstration of leukemic slides (**Demonstration**).
17. Determine fibrinogen conc.(**Demonstration**)
18. Demonstrate malarial slide(**Demonstration**)
19. Haemoglobin electrophoresis( **Demonstration**)

### *Skill Enhancement Course (SEC)*

#### **SEC- 4: Environmental Surveillance**

**Credits 02**

##### **SEC4T: Environmental Surveillance**

##### **Course Contents:**

**UNIT – I:** Environmental Surveillance Monitoring – definition, advantages, disadvantages, scale of observation, GEMS and its goal current and future status of environmental surveillance and monitoring

**UNIT - II:** Types of Environmental surveillance, systematic ground surveys (SGS), soil, surface water and air surveillance – parameters and instruments, standards, sensors and RUSS, Surveillance devices, Social Network Analysis

**UNIT - III:** Water quality surveillance and air, water and health, Water quality and sanitary inspection data collection. Sampling site selection and sample approaches. Systematic aerial reconnaissance flight surveillance, using the surveillance data, Household water and the safe water chain

**UNIT – IV:** Biological surveillance programme for the monitoring of crop pests, Biometric surveillance – aquatic bodies, various invertebrates and vertebrate vectors surveillance, Biomarkers in environmental surveillance

**UNIT - V:** Disease surveillance (of pathogens) – Definition, World Health Organization AIDS surveillance case definition, Anthrax, Avian influenza, Dengue hemorrhagic fever, Hepatitis, Influenza, Plague, Severe Acute Respiratory Syndrome, Smallpox

**Or**

#### **SEC-4: Health Psychology, Physiology of stress and Stress Management**

**Credits 02**

##### **SEC4T: Health Psychology, Physiology of stress and Stress Management**

##### **Course Contents:**

## **Health Psychology:**

Introduction: Definition, Mind-body relationship, Bio-psychosocial model of Health, Life styles and disease patterns. Behaviour and Health: Characteristics of health behaviour; Barriers to health behaviour; Theories of health behaviour and their implications. Health Enhancing Behaviour: Exercise, nutrition, accident prevention, pain and stress management. Health and Well-being: Happiness; Life satisfaction; Resilience; Optimism and Hope.

## **Physiology of Stress:**

Stress: Definition, Nature of stress, symptoms of stress. Physical and Emotional Stressors. General Adaptation Syndrome. Role of Hypothalamic - Pituitary- Adrenal Axis and Sympatho-adrenal Medullary Axis in coping stress. Effects of chronic stress: Immunological, Cardiovascular, Emotional problem.

## **Stress Management**

Various sources of stress: environmental, social, physiological and psychological. Stress and health: effects of stress on health, eustress, distress. Managing stress: Methods - yoga, meditation, relaxation techniques, Problem focused and emotion focused approaches.

**Or**

## **SEC- 4: Pharmacology and Toxicology**

**Credits 02**

### **SEC4T: Pharmacology and Toxicology**

**Credit 01**

#### **Course Contents:**

### **Unit I: General pharmacology and toxicology**

Nature and source of drugs, routes of drug administration and their advantages, definitions and scope of toxicology. Introduction to eco-toxicology.

### **Unit II: Mechanism of toxicity**

Formation of ultimate toxicant of xenobiotics and its interaction with target molecules.

### **Unit III: Pharmacokinetics**

Membrane transport, absorption, distribution of xenobiotics. Brief introduction to biotransformation, Phase- I reactions including oxidations, hydrolysis, reductions and phase II conjugation reactions and excretion of drugs.

#### **Unit IV: Pharmacodynamics**

Mechanism of drug action, receptors and receptors subtypes, Dose response relationship and combined effect of drugs. Concept of LD50, LC50, TD50 and therapeutic index.

#### **Unit V: Introduction and classification of the drugs acting on:**

- a. Central and autonomic nervous system, neurotoxic agents.
- b. Cardiovascular system and cardiotoxic agents.
- c. Kidney and nephrotoxic agents.

#### **Unit VI: Introduction and classification**

- a. Anti-inflammatory and analgesic drugs and their related toxicity.
- b. Endocrine drugs
- c. Antimicrobial chemotherapeutic drugs

#### **SEC4P: Pharmacology and Toxicology**

**Credits 01**

#### **Practical**

1. To study presence of paracetamol /aspirin in the given sample.
2. Determination of Dissolved water (DO) using Winkler's method.
3. To determine the total hardness of water by complexometric method Using EDTA.
4. To determine Acid value of the given oil sample.
5. Calculation of LD50 value of an insecticide from the data provided.
6. Handling of laboratory animals and various routes of drug administration (**Demonstration**).
7. Separation of a mixture of benzoic acid, beta- naphthol and naphthelene by solvent extraction and identification of their functional groups (**Demonstration**).
8. Pharmacodynamics : dose- response curve (**Demonstration**).



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# SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014  
P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650  
[www.amdabadcollege.in](http://www.amdabadcollege.in) | Email: [sjmahavidyalaya@gmail.com](mailto:sjmahavidyalaya@gmail.com)

## 7.1.3 Integration of sustainability principles into the curriculum to foster a culture of environmental responsibility

### SUBJECT: POLITICAL SCIENCE

Programme	Course type	Course number	Course Title	Content relating to environment and sustainability
BA General	Discipline Specific Core	DSC1B (CC2)	Indian Government and Politics	Environmental Movements
BA Honours	Generic Elective for Honours	GE2	Contemporary Political Economy	Issues in development: Big Dams and environmental concerns
BA Honours	Generic Elective for Honours	GE3	Gandhi and the Contemporary World	Narmada Bachao Andolan
BA Honours	Generic Elective for Honours	GE4	United Nations and Global Conflicts	United Nations Environment Programme



Phone: 7908040652/7501133806

# SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014

P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650

[www.amdabadcollege.in](http://www.amdabadcollege.in) | Email: [sjmahavidyalaya@gmail.com](mailto:sjmahavidyalaya@gmail.com)

**Syllabi with issues relating to  
environment and sustainability  
identified above marked up  
(in bright pink)**

# VIDYASAGAR UNIVERSITY



**Curriculum for 3-Year B.A. (General)  
in  
Political Science**

**Under Choice Based Credit System (CBCS)  
w.e.f 2018-2019**

**VIDYASAGAR UNIVERSITY**  
**B A (General) in Political Science**  
**[Choice Based Credit System]**

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks			
1	I	<b>SEMESTER-I</b>								
							<b>CA</b>	<b>ESE</b>	<b>TOTAL</b>	
		Core-1 (DSC-1A)		<b>Introduction to political theory</b>	6	5-1-0	15	60	75	
		Core-2 (DSC-2A)		Other Discipline(Discipline-2)/TBD	6		15	60	75	
		AECC-1 (Core)		English-I	6	5-1-0	15	60	75	
		AECC-1 (Elective)		English/MIL	2	1-1-0	10	40	50	
			<b>Semester - I : Total</b>			<b>20</b>			<b>275</b>	
			<b>SEMESTER-II</b>							
	II	Core-3 (DSC-1B)		<b>Indian Government and Politics</b>	6	5-1-0	15	60	75	
		Core-4 (DSC-2B)		Other Discipline(Discipline-2)/TBD	6		15	60	75	
		AECC-2 (Core)		MIL - I	6	5-1-0	15	60	75	
		AECC-2 (Elective)		Environmental Studies	4		20	80	100	
				<b>Semester - 2 : Total</b>			<b>22</b>			<b>325</b>

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks			
2	III	<b>SEMESTER-III</b>						<b>CA</b>	<b>ESE</b>	<b>TOTAL</b>
		Core-5 (DSC-1C)		<b>Comparative Government and Politics</b>	6	5-1-0	15	60	75	
		Core-6 (DSC-2C)		Other Discipline(Discipline-2)/TBD	6		15	60	75	
		AECC-3 (Core)		English-II	6	5-1-0	15	60	75	
		SEC-1		SEC-1: Legislative Support	2	1-1-0	10	40	50	
				<b>Semester - 3 : Total</b>	<b>20</b>				<b>275</b>	
			<b>SEMESTER-IV</b>							
	IV	Core-7 (DSC-1D)		<b>Introduction to International Relations</b>	6	5-1-0	15	60	75	
		Core-8 (DSC-2D)		Other Discipline(Discipline-2)/TBD	6		15	60	75	
		AECC-4 (Core)		MIL - II	6	5-1-0	15	60	75	
		SEC-2		SEC-2: Public Opinion and Survey Research	2	1-1-0	10	40	50	
				<b>Semester - 4 : Total</b>	<b>20</b>				<b>275</b>	



Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks			
3	V	<b>SEMESTER-V</b>						<b>CA</b>	<b>ESE</b>	<b>TOTAL</b>
		DSE-1A		Any one from Discipline -1( Political Sc.) ( DSE-1A: Themes in Comparative Political Theory Or Democracy and Governance )	6	5-1-0	15	60	75	
		DSE-2A		Other Discipline(Discipline -2) / TBD	6		15	60	75	
		GE-1		TBD	6		15	60	75	
		SEC-3		SEC-3:Democratic Awareness with Legal Literacy	2	1-1-0	10	40	50	
		<b>Semester - 5 : Total</b>				<b>20</b>				<b>275</b>
		<b>SEMESTER-VI</b>								
	VI	DSE-1B		Any one from Discipline -1( Political Sc.) (DSE-1B:Administration and Public Policy: Concepts and Theories <b>Or</b> Understanding Globalization)	6	5-1-0	15	60	75	
		DSE-2B		Other Discipline (Discipline -2) / TBD	6		15	60	75	
		GE-2		TBD	6		15	60	75	
		SEC-4		SEC-4: Conflict and Peace Building	2	1-1-0	10	40	50	
		<b>Semester - 6 : Total</b>				<b>20</b>				<b>275</b>
	<b>Total in all semester:</b>				<b>122</b>				<b>1700</b>	

**CC** = Core Course , **AECC** = Ability Enhancement Compulsory Course , **GE** = Generic Elective , **SEC** = Skill Enhancement Course , **DSE** = Discipline Specific Elective , **CA**= Continuous Assessment , **ESE**= End Semester Examination , **TBD**=To be decided , **CT** = Core Theory, **CP**=Core Practical , **L** = Lecture, **T** = Tutorial ,**P** = Practical , **MIL** = Modern Indian Language , **ENVS** = Environmental Studies ,



*List of Core Courses and Electives*  
*Core Courses (CC)*

- DSC-1A: Introduction to Political Theory**
- DSC-1B: Indian Government and Politics**
- DSC-1C: Comparative Government and Politics**
- DSC-1D: Introduction to International Relations**

*Discipline Specific Courses (DSE)*

- DSE-1A: Themes in Comparative Political Theory**
- Or**
- DSE-1A: Democracy and Governance**
- DSE-1B: Administration and Public Policy: Concepts and Theories**
- Or**
- DSE-1B: Understanding Globalization**

*Skill Enhancement Courses (SEC)*

- SEC-1: Legislative Support**
- SEC-2: Public Opinion and Survey Research**
- SEC-3: Democratic Awareness with Legal Literacy**
- SEC-4: Conflict and Peace Building**

*Generic Electives (GE)*

*[Interdisciplinary for other department]*

- GE-1: Reading Gandhi**
- Or**
- GE-1: Nationalism in India**
- Or**
- GE-1: Understanding Ambedkar**
- GE-2: Human Rights, Gender and Environment**
- Or**
- GE-2: Contemporary Political Economy**
- Or**
- GE-2: United Nations and Global Conflicts**

## Core Courses (CC)

### DSC-1A (CC-1): Introduction to Political Theory

Credit 06

#### DSC1AT: Introduction to Political Theory

##### 1. Course Content:

- a. What is Politics?
- b. What is Political Theory and what is its relevance?

##### 2. Concepts:

Democracy, Liberty, Equality, Justice, Rights, Gender, Citizenship, Civil Society and State

##### 3. Debates in Political Theory:

- a. Is democracy compatible with economic growth?
- b. On what grounds is censorship justified and what are its limits?
- c. Does protective discrimination violate principles of fairness?
- d. Should the State intervene in the institution of the family?

##### Suggested Readings:

1. Bhargava, R. (2008) 'What is Political Theory', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 2-17.
2. Bhargava, R. (2008) 'Why Do We Need Political Theory', in Bhargava, R. and Acharya, A.(eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 18-37.
3. Sriranjani, V. (2008) 'Liberty', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*.New Delhi: Pearson Longman, pp. 40-57.
4. Acharya, A. (2008) 'Equality', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*.New Delhi: Pearson Longman, pp. 58-73.
5. Menon, K. (2008) 'Justice', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 74-82.
6. Talukdar, P.S. (2008) 'Rights', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*.New Delhi: Pearson Longman, pp. 88-105.
7. Srinivasan, J. (2008) 'Democracy', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*.New Delhi: Pearson Longman, pp. 106-128.
8. Roy, A. 'Citizenship', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 130-147.
9. Das, S. (2008) 'State', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*. New Delhi:Pearson Longman, pp. 170-187.
10. Singh, M. (2008) 'Civil Society', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*.New Delhi: Pearson Longman, pp. 188-205.
11. Menon, N. (2008) 'Gender', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 224-235.
12. Shorten, A. (2008) 'Nation and State', in McKinnon, C. (ed.) *Issues in Political Theory*, New York: OxfordUniversity Press, pp. 33-55.
14. Christiano, Thomas. (2008) 'Democracy', in McKinnon, Catriona. (ed.) *Issues in Political Theory*, New York: Oxford University Press, pp. 80-96.

15. Riley, J. (2008) 'Liberty', in McKinnon, C. (ed.) *Issues in Political Theory*, New York: Oxford University Press, pp. 103-125.
16. Casal, P. & William, A. (2008) 'Equality', in McKinnon, C. (ed.) *Issues in Political Theory*. New York: Oxford University Press, pp. 149- 165.
17. Wolf, J. (2008) 'Social Justice', in McKinnon, C. (ed.) *Issues in Political Theory*. New York: Oxford University Press, pp. 172-193.
18. Brighouse, H. (2008) 'Citizenship', in McKinnon, C. (ed.) *Issues in Political Theory*. New York: Oxford University Press, pp. 241-259.
19. Chambers, C. (2008) 'Gender', in McKinnon, C. (ed.) *Issues in Political Theory*. New York: Oxford University Press, pp. 241-288.
20. Swift, A. (2001) *Political Philosophy: A Beginners Guide for Students and Politicians*. Cambridge: Polity Press.
21. Sen, A. (2003) 'Freedom Favours Development,' in Dahl, R., Shapiro, I. and Cheibub, A. J. (eds.) *The Democracy Sourcebook*. Cambridge, Massachusetts: MIT Press, pp. 444-446.
22. Prezowski, A., et al. (2003) 'Political Regimes and Economic Growth,' in Dahl, R., Shapiro, I. and Cheibub, A. J. (eds.) *The Democracy Sourcebook*. Cambridge, Massachusetts: MIT Press, pp. 447-454.
23. Sethi, A. (2008) 'Freedom of Speech and the Question of Censorship', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 308-319.
24. Acharya, A. (2008) 'Affirmative Action', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 298-307.
25. Frances E O. (1985) 'The Myth of State Intervention in the Family', *University of Michigan Journal of Law Reform*. 18 (4), pp. 835-64.
26. Jha, M. (2001) 'Ramabai: Gender and Caste', in Singh, M.P. and Roy, H. (eds.) *Indian Political Thought: Themes and Thinkers*, New Delhi: Pearson.

**DSC-1B (CC-2): - Indian Government and Politics**

**Credit 06**

**DSC1BT: - Indian Government and Politics**

**Course Content:**

- 1) Approaches to the Study of Indian Politics and Nature of the State in India: Liberal, Marxist and Gandhian
- 2) Indian Constitution: basic features, debates on Fundamental Rights and Directive Principles
- 3) Institutional Functioning: Prime Minister, Parliament and Judiciary
- 4) Power Structure in India: Caste, class and patriarchy
- 5) Religion and Politics: debates on secularism and communalism



- 6) Parties and Party systems in India
- 7) Social Movements : Workers, Peasants, Environmental and Women's Movement
- 8) Strategies of Development in India since Independence: Planned Economy and Neo-liberalism

**Suggested Readings:**

1. Abbas, H., Kumar, R. & Alam, M. A. (2011) *Indian Government and Politics*. New Delhi: Pearson, 2011.
2. Chandhoke, N. & Priyadarshi, P. (eds.) (2009) *Contemporary India: Economy, Society, Politics*. New Delhi: Pearson.
3. Chakravarty, B. & Pandey, K. P. (2006) *Indian Government and Politics*. New Delhi: Sage.
4. Chandra, B., Mukherjee, A. & Mukherjee, M. (2010) *India After Independence*. New Delhi: Penguin.
5. Singh, M.P. & Saxena, R. (2008) *Indian Politics: Contemporary Issues and Concerns*. New Delhi: PHI Learning.
6. Vanaik, A. & Bhargava, R. (eds.) (2010) *Understanding Contemporary India: Critical Perspectives*. New Delhi: Orient Blackswan.
7. Menon, N. and Nigam, A. (2007) *Power and Contestation: India Since 1989*. London: Zed Book.
8. Austin, G. (1999) *Indian Constitution: Corner Stone of a Nation*. New Delhi: Oxford University Press.
9. Austin, G. (2004) *Working of a Democratic Constitution of India*. New Delhi: Oxford University Press.
10. Jayal, N. G. & Maheta, P. B. (eds.) (2010) *Oxford Companion to Indian Politics*. New Delhi: Oxford University Press.

**DSC-1C (CC-3) : Comparative Government and Politics**

**Credit 06**

**DSC1CT: Comparative Government and Politics**

**Course Content:**

1. The nature, scope and methods of comparative political analysis
2. Comparing Regimes: Authoritarian and Democratic
3. Classifications of political systems:
  - a) Parliamentary and Presidential: UK and USA
  - b) Federal and Unitary: Canada and China
4. Electoral Systems: First past the post, proportional representation, mixed systems
5. Party Systems: one-party, two-party and multi-party systems
6. Contemporary debates on the nature of state: From state centric security to human centric security and the changing nature of nation-state in the context of globalization.

**Suggested Readings:**



1. Bara, J & Pennington, M. (eds.). (2009) *Comparative Politics*. New Delhi: Sage.
2. Caramani, D. (ed.). (2008) *Comparative Politics*. Oxford: Oxford University Press.
3. Hague, R. and Harrop, M. (2010) *Comparative Government and Politics: An Introduction*. (Eight Edition). London: Palgrave MacMillan.
4. Ishiyama, J.T. and Breuning, M. (eds.). (2011) *21st Century Political Science: A Reference Book*. Los Angeles: Sage.
5. Newton, K. and Deth, Jan W. V. (2010) *Foundations of Comparative Politics: Democracies of the Modern World*. Cambridge: Cambridge University Press.
6. O'Neil, P. (2009) *Essentials of Comparative Politics*. (Third Edition). New York: WW. Norton & Company, Inc.
7. Palekar, S.A. (2009) *Comparative Government and Politics*. New Delhi: PHI Learning Pvt. Ltd.
8. Caramani, D. (2008) 'Introduction to Comparative Politics', in Caramani, D. (ed.) *Comparative Politics*. Oxford: Oxford University Press, pp. 1-23.
9. Mohanty, M. (1975) 'Comparative Political Theory and Third World Sensitivity', in *Teaching Politics*. Nos. 1 & 2, pp. 22-38.
10. Webb, E. (2011) 'Totalitarianism and Authoritarianism', in Ishiyama, J. T. and Breuning, M. (eds.) *21st Century Political Science: A Reference Book*. Los Angeles: Sage, pp. 249-257.
11. Hague, R. and Harrop, M. (2004) *Comparative Government and Politics: An Introduction*. London: Palgrave MacMillan, pp. 36-50, 51-68.
12. Hague, R. and Harrop, M. (2004) 'The Political Executive', in *Comparative Government and Politics: An Introduction*. London: Palgrave MacMillan, pp. 268-290.
13. Cameron, D. R. (2002) 'Canada', in Ann L. G. (ed.) *Handbook of Federal Countries*. Montreal & Kingston: McGill-Queen's University Press, pp. 105-119.
14. Peter, H. (2002) 'Canada: A Federal Society-Despite Its Constitution', in Rekha Saxena. (ed.) *Mapping Canadian Federalism for India*. New Delhi: Konark Publisher, Pvt., pp. 115-129.
15. Dhillon, Michael. (2009), 'Government and Politics', in *Contemporary China: An Introduction*. London, New York: Routledge, 2009, pp. 137-160.
16. Evans, Jocelyn A.J. (2009) 'Electoral Systems', in Bara, J. and Pennington, M. (eds.) *Comparative Politics*. New Delhi: Sage, pp. 93-119.
17. Downs, W. M. (2011) 'Electoral Systems in Comparative Perspectives', in Ishiyama, J. T. and Breuning, M. (eds.) *21st Century Political Science: A Reference Book*. Los Angeles: Sage, pp. 159-167.
18. Cole, A. (2011) 'Comparative Political Parties: Systems and Organizations', in Ishiyama, J.T. and Breuning, M. (eds.) *21st Century Political Science: A Reference Book*. Los Angeles: Sage, pp. 150-158.
19. Caramani, D. (2008) 'Party Systems', in Caramani, D. (ed.) *Comparative Politics*. Oxford: Oxford University Press, pp. 293-317, 318-347.
20. Poggi, Gianfranco. (2008) 'The nation-state', in Caramani, D. (ed.) *Comparative Politics*. Oxford: Oxford University Press pp. 85-107.
21. Hague, R. and Harrop, M. (2004) 'The state in a global context', in *Comparative Government and Politics: An Introduction*. London: Palgrave MacMillan, pp. 17-34.
22. Bara, J. (2009) 'Methods for Comparative Analysis', in Bara, J. & Pennington, M. (eds.) *Comparative Politics*. New Delhi: Sage, pp. 40-65.

23. Blondel, J. (1996) 'Then and Now: Comparative Politics', *Political Studies*. Vol. 47, Issue 1, pp. 152-160
24. Chandhoke, N. (1996) 'Limits of Comparative Political Analysis', *Economic and Political Weekly*. vol. 31, No. 4, (January 27), pp. PE 2-PE8.
25. Mair, P. (2008) 'Democracy', in Carmani, D. (ed.) *Comparative Politics*. Oxford: Oxford University Press, pp. 108-132.
26. Robbins, J. W. (2011) 'Parsidentialism Verses Parliamentarism', in Ishiyama, J. T. and Marijke, B. (eds.) *21st Century Political Science: A Reference Book*. Los Angeles: Sage, pp. 177- 185.
27. Watts, D. (2003) *Understanding US/UK Government and Politics*. Manchester: Manchester University Press, pp. 1-25; 66-105; 106-138.

## **DSC-1D (CC-4): Introduction to International Relations**

**Credit 06**

### **DSC1DT: Introduction to International Relations**

#### **Course Content:**

#### **1. Approaches to International Relations**

- a) Classical Realism (Hans Morgenthau) and Neo-Realism (Kenneth Waltz)
- b) Neo-Liberalism: Complex Interdependence (Robert O. Keohane and Joseph Nye)
- c) Structural Approaches: World Systems Approach (Immanuel Wallerstein) and Dependency School (Andre Gunder Frank)
- d) Feminist Perspective (J. Ann Tickner)

#### **2. Cold War & Post-Cold War Era**

- a) Second World War & Origins of Cold War
- b) Phases of Cold War:
  - i. First Cold War
  - ii. Rise and Fall of Detente
  - iii. Second Cold War
  - iv. End of Cold War and Collapse of the Soviet Union
- (c) Post Cold- War Era and Emerging Centers of Power (European Union, China, Russia and Japan)

#### **3. India's Foreign Policy**

- a) Basic Determinants (Historical, Geo-Political, Economic, Domestic and Strategic)
- b) India's Policy of Non-alignment
- c) India: An Emerging Power

#### **Suggested Readings:**

1. William, P., Goldstein, D. M. and Shafritz, J. M. (eds.) (1999) *Classic Readings of International Relations*. Belmont: Wadsworth Publishing Co, pp. 30-58; 92-126.



2. Art, R. J. and Jervis, R. (eds.) (1999) *International Political Enduring: Concepts and Contemporary Issues*. 5th Edition. New York: Longman, pp. 7-14; 29-49; 119-126.
3. Jackson, R. and Sorenson, G. (2008) *Introduction to International Relations: Theories and Approaches*. New York: Oxford University Press, pp. 59-96.
4. Goldstein, J. and Pevehouse, J.C. (2009) *International Relations*. New Delhi: Pearson, pp. 81-111.
5. Tickner, J. A. (2001) *Gendering World Politics: Issues and Approaches in the Post-Cold War Era*. Columbia University Press.
6. Baylis, J. and Smith, S. (eds.) (2011) *The Globalization of World Politics: An Introduction to International Relations*. Fifth Edition. Oxford: Oxford University Press, pp. 90-123; 142-159; 262-277.
7. Wenger, A. and Zimmermann, D. (eds.) (2003) *International Relations: From the Cold World War to the Globalized World*. London: Lynne Rienner, pp. 54-89.
8. Appadorai and Rajan, M. S. (eds.) (1985) *India's Foreign Policy and Relations*. New Delhi: South AsiannPublishers.
9. Mewmillians, W.C. and Piotrowski, H. (2001) *The World Since 1945: A History of International Relations*. Fifth edition. London: Lynne Rienner Publishers.
10. Smith, M., Little, R. and Shackleton, M. (eds.) (1981) *Perspectives on World Politics*. London: Croom Helm
11. Indian Foreign Service Institute. (1997, 1998) *India's Foreign Policy: An Agenda for the 21<sup>st</sup> Century* Vols. 1 & 2, New Delhi: Konark Publishers, pp. 3-41; 102-119.
12. Ganguly, S. (ed.) (2009) *India's Foreign Policy: Retrospect and Prospect*. New Delhi: Oxford University Press.
13. Vanaik, A. (1995) *India in a Changing World: Problems, Limits and Successes of Its Foreign Policy*. New Delhi: Orient Longman. pp. 19-41; 63-67; 102-114; 118-124; 132-134.
14. Basu, Rumki (ed)(2012) *International Politics: Concepts theories and Issues*, New Delhi, Sage Publications India Pvt Ltd.

### Discipline Specific Electives (DSE)

**DSE-1A: Themes in Comparative Political Theory**

**Credit 06**

**DSE1AT: Themes in Comparative Political Theory**





### Course Content:

1. Distinctive features of Indian and Western political thought
2. Western Thought: Thinkers and Themes
  - a. Aristotle on Citizenship
  - b. Locke on Rights
  - c. Rousseau on inequality
  - d. J. S. Mill on liberty and democracy
  - e. Marx and Bakunin on State
3. Indian Thought: Thinkers and Themes
  - a. Kautilya on State
  - b. Tilak and Gandhi on Swaraj
  - c. Ambedkar and Lohia on Social Justice
  - d. Nehru and Jayaprakash Narayan on Democracy
  - e. Pandita Ramabai on Patriarchy

### Suggested Readings:

1. Dallmayr, F. (2009) 'Comparative Political Theory: What is it good for?', in Shogimen, T. and Nederman, C. J. (eds.) *Western Political Thought in Dialogue with Asia*. Plymouth, United Kingdom: Lexington, pp. 13-24.
2. Parel, A. J. (2009) 'From Political Thought in India to Indian Political Thought', in Shogiman, T. and Nederman, C. J. (eds.) *Western Political Thought in Dialogue with Asia*. Plymouth, United Kingdom: Lexington, pp. 187-208.
3. Pantham, Th. (1986) 'Introduction: For the Study of Modern Indian Political Thought', in Pantham, Th. & Deutch, K. L. (eds.) *Political Thought in Modern India*. New Delhi: Sage, pp. 9-16.
4. Burns, T. (2003) 'Aristotle', in Boucher, D and Kelly, P. (eds.) *Political Thinkers: From Socrates to the Present*. New York: Oxford University Press, pp. 73-91.
5. Waldron, J. (2003) 'Locke', in Boucher, D. and Kelly, P. (eds.) *Political Thinkers: From Socrates to the Present*, New York: Oxford University Press, pp. 181-197.
6. Boucher, D. (2003) 'Rousseau', in Boucher, D. and Kelly, P. (eds.) *Political Thinkers: From Socrates to the Present*. New York: Oxford University Press, pp. 235-252.
7. Kelly, P. (2003) 'J.S. Mill on Liberty', in Boucher, D. and Kelly, P. (eds.) *Political Thinkers: From Socrates to the Present*. New York: Oxford University Press, pp. 324-359.
8. Wilde, L. (2003) 'Early Marx', in Boucher, D. and Kelly, P. (eds.) *Political Thinkers: From Socrates to the Present*. New York: Oxford University Press, pp. 404-435.
9. Sparks, Ch. and Isaacs, S. (2004) *Political Theorists in Context*. London: Routledge, pp. 237-255.

10. Mehta, V. R. (1992) *Foundations of Indian Political Thought*. New Delhi: Manohar Publishers, pp. 88-109.
11. Inamdar, N.R. (1986) 'The Political Ideas of Lokmanya Tilak', in Panthan, Th. & Deutsch, K. L. (eds.) *Political Thought in Modern India*. New Delhi: Sage, pp. 110-121.
12. Patham, Th. (1986) 'Beyond Liberal Democracy: Thinking With Democracy', in Panthan, Th.& Deutsch, K.L. (eds.) *Political Thought in Modern India*. New Delhi: Sage, pp. 325-46.
13. Zelliot, E. (1986). 'The Social and Political Thought of B.R. Ambedkar', in Panthan, Th. &Deutsch, K. L.(eds.) *Political Thought in Modern India*. New Delhi: Sage, pp. 161-75.
14. Anand Kumar, 'Understanding Lohia's Political Sociology: Intersectionality of Caste, Class, Gender and Language Issue' *Economic and Political Weekly*. Vol. XLV: 40, October 2008, pp.64-70.
15. Pillai, R.C. (1986) 'The Political thought of Jawaharlal Nehru', in Panthan, T. & Deutsch, K. L.(eds.) *Political Thought in Modern India*. New Delhi: Sage pp. 260-74.
16. Jha, M. (2001) 'Ramabai: Gender and Caste', in Singh, M.P. and Roy, H. (eds.) *Indian Political Thought: Themes and Thinkers*, New Delhi: Pearson.

**OR**

**DSE-1A: Democracy and Governance**

**Credit 06**

**DSE1AT: Democracy and Governance**

**Course Content:**

**1. Structure and Process of Governance:** Indian Model of Democracy, Parliament, Party Politics and Electoral behaviour, Federalism, The Supreme Court and Judicial Activism, Units of Local Governance (Grassroots Democracy). Political Communication - Nature, Forms and Importance

**2. Ideas, Interests and Institutions in Public Policy:**

A. Contextual Orientation of Policy Design

B. Institutions of Policy Making

**a. Regulatory Institutions** – SEBI, TRAI, Competition Commission of India,

**b. Lobbying Institutions:** Chambers of Commerce and Industries, Trade Unions, Farmers Associations, etc.

**3. Contemporary Political Economy of Development in India:** Policy Debates over Models of Development in India, Recent trends of Liberalisation of Indian Economy in different sectors, E- governance.

**4. Dynamics of Civil Society:** New Social Movements and Various interests, Role of NGO's, Understanding the political significance of Media and Popular Culture.

**Suggested Readings:**

1. Agarwal B, Environmental Management, Equity and Ecofeminism: Debating India's Experience, Journal of Pesant Studies, Vol. 25, No. 4, pp. 55-95.
2. Atul Kohli (ed.), The Success of India's Democracy, Cambridge University Press, 2001.
3. Corbridge, Stuart and John Harris, Reinventing India: Liberalisation, Hindu Nationalism and Popular Democracy OUP, 2000.
4. J.Dreze and A.Sen, India: Economic Development and Social Opportunity, Clarendon, 1995
5. Saima Saeed, Screening the Public Sphere: Media and Democracy in India, 2013
6. Nick Stevenson, Understanding Media Cultures, 2002
7. Fuller, C.J. (ed.) Caste Today, Oxford University Press, 1997
8. Himat Singh, Green Revolution Reconsidered: The Rural World of Punjab, OUP, 2001.
9. Jagdish Bhagwati, India in Transition: Freeing the Economy, 1993.
10. Joseph E. Stiglitz, Globalisation and its Discontents, WW Norton, 2003.
11. Patel, I.G., Glimpses of Indian Economic Policy: An Insider View, OUP, 2002.
12. Rajni Kothari and Clude Alvares, (eds.) Another Revolution Fails: an investigation of how and why India's Operation Flood Project Touted as the World's Largest Dairy Development Program Funded by the EEC went off the Rails, Ajanta, New Delhi, 1985.
13. Smitu Kothari, Social Movements and the Redefinition of Democracy, Boulder, Westview, 1993.
14. Qah, John S.T., Curbing Corruption in Asia: A Comparative Study of Six Countries, Eastern University Press, 2003.
15. Vasu Deva, *E-Governance In India : A Reality*, Commonwealth Publishers, 2005
16. M.J.Moon, *The Evolution of Electronic Government Among Municipalities: Rheoteric or Reality*, American Society For Public Administration, Public Administration Review, Vol 62, Issue 4, July –August 2002
17. Pankaj Sharma, *E-Governance: The New Age Governance*, APH Publishers, 2004

18. Pippa Norris, *Digital Divide: Civic Engagement, Information Poverty and the Internet in Democratic Societies*, Cambridge: Cambridge University Press, 2001.
19. Ghanshyam Shah [ed.], *Social Movements and The State*, Sage Publication, 2002
20. Su H. Lee, *Debating New Social Movements: Culture, Identity, and Social Fragmentation*, Rawat Publishers, 2010
21. S. Laurel Weldon, *When Protest Makes Policy : How Social Movements Represent Disadvantaged Groups*, Michigan Publishers, 2011
22. Richard Cox, *Production, Power and World Order*, New York, Columbia University Press, 1987
23. Baxi, Upendra and Bhikhu Parekh, (ed.) *Crisis and Change in Contemporary India*, New Delhi, Sage, 1994.
24. Bidyut Chakrabarty, *Public Administration: A Reader*, Delhi Oxford University Press, 2003.
25. Elaine Kamarck, *Government Innovation Around the World: Occasional Paper Series*, John F Kennedy School of Government, 2003
26. Kothari, Rajini, *Politics in India*, Delhi, Orient Longman, 1970.
27. Mackie, Gerry, *Democracy Defended*, New York, Cambridge University Press, 2003.
28. Mahajan, Gurpreet (ed.), *Democracy, Difference and Social Justice*, New Delhi, Oxford University Press, 2000.
29. Menon, Nivedita, (ed.), *Gender and Politics in India*, New Delhi, Oxford University Press, 2001.
30. Mohanty, Manoranjan, *Peoples Rights: Social Movements and the State in the Third World*, Sage, New Delhi, 1998.
31. Paul Brass, *Politics in India since Independence*, Hyderabad, Orient Longman, 1990.
32. Rob Jenkins – *Regional Reflections: Comparative Politics across India's States*, New Delhi, OUP, 2004.
33. Sury, M.M, *India: A Decade of Economic reforms : 1991 –2001*, New Delhi, New Century Publication, 2003.
34. Thomas R. Dye., *Understating Public Policy*, Prentice Hall NJ, 1984.

35. Y. Dror, *Public Policy Making Reexamined*, Leonard Hill Books, Bedfordshire, 1974.
36. Basu Rumki et, al(ed) *Democracy and good governance: Reinventing the Public service Delivery System in India*, New Delhi, Bloomsbury India, 2015

**DSE-1B: Administration and Public Policy: Concepts and Theories Credit 06**

**DSE1BT: Administration and Public Policy: Concepts and Theories**

**Course Content:**

1. Public administration as a discipline: Meaning, scope and significance of the subject, public and private administration, brief evolution and major approaches, and comparative approaches to public administration.
2. Administrative theories: the classical theory, scientific management, the human - relation theory, and rational decision-making.
3. Understanding public policy: concept and theories, relevance of policy making in public administration and process of policy formulation and implementation and evaluation.
4. From Development Administration to New Public Management. Elements and politics of development administration, the New Public Management paradigm – a critical perspective in the post globalized era.

**Suggested Readings:**

1. Wasthi, A.and Maheshwari, S. (2003), *Public Administration*. Agra: Laxmi Narain Agarwal, pp. 3-12.
2. Basu, Rumki, (2014), *Public Administration, Concepts and Theories*, Delhi Sterling Publishers
3. Henry, N. (2003), *Public Administration and Public Affairs*. New Delhi: Prentice Hall, pp. 1- 52.
4. Bhattacharya, M. and Chakrabarty, B. (2005) ‘Introduction: Public Administration: Theory and Practice’, in Bhattacharya, M. and Chakrabarty, B. (eds.) *Public Administration: A Reader*. Delhi: Oxford University Press, pp. 1-50.
5. Henry, N. (2003) *Public Administration and Public Affairs*. New Delhi: Prentice Hall, pp. 53-74.
6. Mouzelis, N.P. (2005) ‘The Ideal Type of Bureaucracy’, in Bhattacharya, M. and Chakrabarty, B. (eds.) *Public Administration: A Reader*. Delhi: Oxford University Press, pp. 88-100.
7. Hyderbrand, W. (1980) ‘A Marxist Critique of Organization Theory’, in Evan, W (ed.) *Frontiers in Organization & Management*. New York: Praeger, pp. 123-150.

8. Hyderbrand, W. (1977) 'Organizational Contradictions in Public Bureaucracies: Towards a Marxian Theory of Organizations', in Benson, J. K. (ed.) *Organizational Analysis: Critique and Innovation*. Beverly Hills: Sage, pp. 85-109.
9. Bhattacharya, M. (1999) *Restructuring Public Administration: Essays in Rehabilitation*. New Delhi: Jawahar, pp. 29-70, 85-98.
10. Bhattacharya, M. (2001) *New Horizons in Public Administration*. New Delhi: Jawahar, pp. 248-272, 301-323.
11. Dye, T.R. (1975) *Understanding Public Policy*. New Jersey: Prentice Hall, pp. 1-38, 265- 299.
12. Dror, Y. (1983) *Public Policy Making Reexamined*. Oxford: Transaction Publication, pp. 129-216.
13. Bernard, C. (1938) *The Functions of Executive*. Cambridge: Harvard University Press.
14. Esman, M.J. (1986) 'Politics of Development Administration', in Montgomery, J.D. and Siffin, W. (eds.), *Approaches to Development Politics* . New York: McGraw-Hill.
15. Gant, G.F. (1979) *Development Administration: Concepts, Goals, Methods*. Madison: University of Wisconsin Press.
16. Kamenka, E. & Krygier, M. (eds.) (1979) *Bureaucracy*. London: Edward Arnold.  
Lee, H.B. (ed.) (1953) *Korea: Time, Change and Administration*. Hawai'i: University of Hawai'i Press.
17. Leftwich, A. (1994) 'Governance, the State and the Politics of Development', *Development and Change*, 25. March, J. and Simon, H. (1958) *Organization*. New York: Wiley.
18. Mooney, J. (1954) *The Principles of Organization*. New York: Harper & Row.
19. Simon, H. (1967) *Administrative Behavior: A Study of Decision Making Process in Administrative Organization*. New York: Macmillan.
20. Wiedner, E. (ed.) (1970) *Development Administration in Asia*. Durham: Duke University Press.

**OR**

**DSE-1B: Understanding Globalization**

**Credit 06**

**DSE1BT: Understanding Globalization**



## Course Content:

### 1. Globalization

- a) What is it?
- b) Economic, Political, Technological and Cultural Dimensions

### 2. Contemporary World Actors

- a) United Nations
- b) World Trade Organisation (WTO)
- c) Group of 77 Countries (G-77)

### 3. Contemporary World Issues

- a) Global Environmental Issues (Global Warming, Bio-diversity, Resource Scarcities)
- b) Poverty and Inequality
- c) International Terrorism

## Suggested Readings:

1. Lechner, F. J. and Boli, J. (eds.) (2004) *The Globalization Reader*. 2nd Edition. Oxford: Blackwell.
2. Held, D., Mc Grew, A. et al. (eds.) (1999) *Global Transformations Reader. Politics, Economics and Culture*, Stanford: Stanford University Press, pp. 1-50.
3. Viotti, P. R. and Kauppi, M. V. (2007) *International Relations and World Politics-Security, Economy, Identity*. Third Edition. Delhi: Pearson Education, pp. 430-450.
4. Baylis, J. and Smith, S. (eds.) (2011) *The Globalization of World Politics: An Introduction to International Relations*. Fourth Edition. Oxford: Oxford University Press, pp. 312-329; 50-385; 468-489.
5. Tickner, J.A. (2008) 'Gender in World Politics', in Baylis, J. and Smith, S. (eds.) *The Globalization of World Politics: An Introduction to International Relation*. 4th Edition. Oxford: Oxford University Press.
6. Taylor, P. and Grom, A.J.R. (eds.) (2000) *The United Nations at the Millennium*. London: Continuum. pp. 1-20.
7. Ravenhill, J. (2008) 'The Study of Global Political Economy', in Ravenhill, John (ed.) *Global Political Economy*. Second Edition. New York: Oxford University Press, pp.18-24.
8. Sauvnt, K. (1981) *Group of 77: Evolution, Structure and Organisation*, New York: Oceana Publications.
9. Chasek, P. S., Downie, D. L. and Brown, J. W. (eds.) *Global Environmental Politics*. Fourth Edition. Boulder: Colorado: Westview Press.
10. Roberts, J.M. (1999) *The Penguin History of the 20th Century*. London: Penguin.
11. Smith, M., Little, R. and Shackleton, M. (eds.) (1981) *Perspectives on World Politics*. London: Croom Helm.



12. White, B. et al. (eds.) (2005) *Issues in World Politics*. Third Edition, New York: Macmillan, pp. 74-92; 191-211.
13. Halliday, F. (2004) 'Terrorism in Historical Perspective', *Open Democracy*. 22 April, available at: [http://www.opendemocracy.net/conflict/article\\_1865.jsp](http://www.opendemocracy.net/conflict/article_1865.jsp)
14. Thomas, C. (2005) 'Poverty, Development, and Hunger', in Baylis, J. and Smith, S. (eds.) *The Globalization of World Politics*. Third Edition. New Delhi: Oxford University Press, pp.645-668.
15. Vanaik, A. (2007) 'Political Terrorism and the US Imperial Project', in *Masks of Empire*. New Delhi: Tulika Books, pp. 103-128.
16. Art, R.J. and Jervis, R. (eds.) (1999) *International Politics: Enduring Concepts and Contemporary Issues*. 5th Edition. New York: Longman, pp. 495-500; pp.508-516.

### *Skill Enhancement Courses (SEC)*

#### **SEC- 1: Legislative Support**

**Credit 02**

#### **SEC1T: Legislative Support**

#### **Course Content:**

##### **1. Powers and functions of people's representatives at different tiers of governance**

Members of Parliament, State Legislative Assemblies, functionaries of rural and urban local self government from Zila Parishads/Municipal Corporation to Panchayat/Ward.

**2. Supporting the legislative process:** How a Bill becomes a Law, Role of the Standing Committee in reviewing a Bill, Legislative Consultations, amendments to a Bill, the framing of Rules and Regulations.

##### **3. Supporting the legislative committees**

Types of committees, Role of committees in reviewing government finances, policy, programmes, and legislation.

##### **4. Reading the budget document:**

Overview of Budget Process, Role of Parliament in reviewing the Union Budget, Railway Budget, Examination of Demands for Grants of Ministries, Working of Ministries.

**5. Support in media monitoring and communication:** Types of media and their significance for legislators. Basics of communication in print and electronic media. .

#### **Suggested Readings:**

1. Madhavan, M.R. & N.Wahi, Financing of Election Campaigns PRS, Centre for Policy Research, New Delh, 2008:  
[http://www.prsindia.org/uploads/media/conference/Campaign\\_finance\\_brief.pdf](http://www.prsindia.org/uploads/media/conference/Campaign_finance_brief.pdf)



2. Vanka, S. *Primer on MPLADS* Centre for Policy Research, New Delhi, 2008. can be accessed on:<http://www.prsindia.org/parliamenttrack/primers/mplads-487/>
3. Kalra, H. *Public Engagement with the Legislative Process* PRS, Centre for Policy Research, New Delhi, 2011. can be accessed on:  
<http://www.prsindia.org/administrator/uploads/media/Conference%202011/Public%20Engagement%20with%20the%20Legislative%20Process.pdf>
4. Government of India (Lok Sabha Secretariat) *Parliamentary Procedures (Abstract Series)*, 2009. Can be accessed on:  
<http://164.100.47.132/LssNew/abstract/index.aspx>
5. Government of India, (Ministry of Parliamentary Affairs) *Legislation, Parliamentary Procedure*, 2009. Can be accessed on:  
[http://mpa.nic.in/Manual/Manual\\_English/Chapter/chapter-09.htm](http://mpa.nic.in/Manual/Manual_English/Chapter/chapter-09.htm)
6. Government of India, (Ministry of Parliamentary Affairs) *Subordinate Legislation, Parliamentary Procedure*, 2009. Can be accessed on:  
[http://mpa.nic.in/Manual/Manual\\_English/Chapter/chapter-11.htm](http://mpa.nic.in/Manual/Manual_English/Chapter/chapter-11.htm)
7. Kapur, Devesh and Pratap Banu Mehta, “The Indian Parliament as an Institution of Accountability,” *Democracy, Governance and Human Rights*, Programme Paper Number 23, United Nations Research Institute for Social Development, January 2006. Can be accessed on:  
[http://www.unrisd.org/UNRISD/website/document.nsf/240da49ca467a53f80256b4f005ef245/8e6fc72d6b546696c1257123002fcceb/\\$FILE/KapMeht.pdf](http://www.unrisd.org/UNRISD/website/document.nsf/240da49ca467a53f80256b4f005ef245/8e6fc72d6b546696c1257123002fcceb/$FILE/KapMeht.pdf)
8. Agarwal, O.P. and T.V. Somanathan, “Public Policy Making in India: Issues and Remedies,” February, 2005. Can be accessed on:  
[http://www.cprindia.org/admin/paper/Public\\_Policy\\_Making\\_in\\_India\\_14205\\_TV\\_SOMANATHAN.pdf](http://www.cprindia.org/admin/paper/Public_Policy_Making_in_India_14205_TV_SOMANATHAN.pdf).
9. Debroy, Bibek, “Why we need law reform,” *Seminar* January 2001.
10. Mehta, Pratap Bhanu, “India’s Unlikely Democracy: The Rise of Judicial Sovereignty,” *Journal of Democracy* Vol.18, No.2, pp.70-83.
11. Government links: <http://loksabha.nic.in/>; <http://rajyasabha.nic.in/>;  
<http://mpa.nic.in>
12. Sanyal, K. *Strengthening Parliamentary Committees* PRS, Centre for Policy Research, New Delhi, 2011. can be accessed on:  
<http://www.prsindia.org/administrator/uploads/media/Conference%202011/Strengthening%20Parliamentary%20Committees.pdf>
13. Celestine, A. *How to read the Union Budget* PRS, Centre for Policy Research, New Delhi, 2011. can be accessed on:  
[http://www.prsindia.org/parliamenttrack/primers/how to read the unionbudget 1023/](http://www.prsindia.org/parliamenttrack/primers/how%20to%20read%20the%20union%20budget%201023/)

## **SEC2T: Public Opinion and Survey Research**

### **Course Content:**

#### **I. Introduction to the course**

Definition and characteristics of public opinion, conceptions and characteristics, debates about its role in a democratic political system, uses for opinion poll.

#### **II. Measuring Public Opinion with Surveys: Representation and sampling**

- a. What is sampling? Why do we need to sample? Sample design.
- b. Sampling error and non-response
- c. Types of sampling: Non random sampling (quota, purposive and snowball Sampling); random sampling: simple and stratified

#### **III. Survey Research**

- a. Interviewing: Interview techniques pitfalls, different types of and forms of Interview
- b. Questionnaire: Question wording; fairness and clarity.

#### **IV. Quantitative Data Analysis**

- a. Introduction to quantitative data analysis
- b. Basic concepts: co relational research, causation and prediction, descriptive and Inferential Statistics

#### **V. Interpreting polls**

Prediction in polling research: possibilities and pitfalls  
Politics of interpreting polling

#### **Student Exercises:**

1. Discussion of readings and Indian examples.
2. Groups of students to collect examples of and discuss various sample based studies across many fields: e.g. consumer behaviour, unemployment rates, educational standards, elections, medicinal trials etc.
3. Non-random sampling: The students have to identify one group of people or behavior that is unique or rare and for which snowball sampling might be needed. They have to identify how they might make the initial contact with this group to start snowball rolling.
4. Give the students the electoral list of an area in Delhi (<http://ceodelhi.gov.in>). The students have to draw a random sample of n number of respondents.
5. For this activity, working with a partner will be helpful. The class should first decide on a topic of interest. Then each pair should construct a five-item self report questionnaire. Of the five items, there should be at least one nominal response, one ordinal response and one interval. After the common questionnaire is constructed putting together the questions from everyone, working in pairs, the questionnaire should be administered on 10 different individuals.
6. Give the students a questionnaire from any public opinion survey and ask them to identify the type of variables.

#### **Suggested Readings:**

1. R. Erikson and K. Tedin, (2011) *American Public Opinion*, 8th edition, New York: Pearson Longman Publishers,. pp. 40-46.
2. G. Gallup, (1948) *A guide to public opinion polls* Princeton, Princeton University Press, 1948.Pp. 3-13.
3. G. Kalton, (1983) *Introduction to Survey Sampling* Beverly Hills, Sage Publication. Lokniti Team (2009) ‘National Election Study 2009: A Methodological Note’, *Economic and Political Weekly*, Vol. XLIV (39)
4. Lokniti Team, (2004) ‘National Election Study 2004’, *Economic and Political Weekly*, Vol. XXXIX (51).
5. ‘Asking About Numbers: Why and How’, *Political Analysis* (2013), Vol. 21(1): 48-69, (first published online November 21, 2012)
6. H. Asher, (2001) ‘Chapters 3 and 5’, in *Polling and the Public: What Every Citizen Should Know*, Washington DC: Congressional Quarterly Press.
7. R. Erikson and K. Tedin, (2011) *American Public Opinion*, 8th edition, New York, Pearson Longman Publishers, pp. 40-46.
8. A.Agresti and B. Finlay, (2009) *Statistical methods for the Social Sciences*, 4th edition, Upper saddle river, NJ: Pearson-Prentice Hall,
9. S. Kumar and P. Rai, (2013) ‘Chapter 1’, in *Measuring Voting Behaviour in India*, New Delhi: Sage.
10. R. Karandikar, C. Pyne and Y. Yadav, (2002) ‘Predicting the 1998 Indian Parliamentary Elections’, *Electoral Studies*, Vol. 21, pp.69-89.
11. M. McDermott and K. A. Frankovic, (2003) ‘Horserace Polling and Survey Methods Effects: An Analysis of the 2000 Campaign’, *Public Opinion Quarterly* 67, pp. 244-264.
12. K. Warren, (2001) ‘Chapter 2’, in *In Defense of Public Opinion Polling*, Boulder: West view Press, pp. 45-80.
13. W. Cochran, (2007) ‘Chapter 1’, *Sampling Techniques*, John Wiley & Sons.
14. G. Gallup, (1948) *A Guide to Public Opinion Polls*. Princeton: Princeton University Press, pp. 14-20; 73-75.
15. D. Rowntree (2000) *Statistics Without Tears: an Introduction for Non Mathematicians*, Harmonds worth: Penguin.

**SEC-3 : Democratic Awareness with Legal Literacy**

**Credit 02**

**SEC3T : Democratic Awareness with Legal Literacy**

## Course Content:

### Unit I

- Outline of the Legal system in India
- System of courts/tribunals and their jurisdiction in India - criminal and civil courts, writ jurisdiction, specialized courts such as juvenile courts, Mahila courts and tribunals.
- Role of the police and executive in criminal law administration.
- Alternate dispute mechanisms such as lok adalats, non - formal mechanisms.

### Unit II

- Brief understanding of the laws applicable in India
- Constitution - fundamental rights, fundamental duties, other constitutional rights and their manner of enforcement, with emphasis on public interest litigation and the expansion of certain rights under Article 21 of the Constitution.
- Laws relating to criminal jurisdiction - provision relating to filing an FIR, arrest, bail search and seizure and some understanding of the questions of evidence and procedure in Cr. P.C. and related laws, important offences under the Indian Penal Code, offences against women, juvenile justice, prevention of atrocities on Scheduled Castes and Scheduled Tribes.
- Concepts like Burden of Proof, Presumption of Innocence, Principles of Natural Justice, Fair comment under Contempt laws.
- Personal laws in India : Pluralism and Democracy
- Laws relating to contract, property and tenancy laws.
- Laws relating to dowry, sexual harassment and violence against women
- Laws relating to consumer rights
- Laws relating to cyber crimes
- Anti-terrorist laws: implications for security and human rights
- **Practical application:** Visit to either a (i) court or (ii) a legal aid centre set up by the Legal Services Authority or an NGO or (iii) a Lok Adalat, and to interview a litigant or person being counseled. Preparation of a case history.

### Unit III

#### Access to courts and enforcement of rights

- Critical Understanding of the Functioning of the Legal System
- Legal Services Authorities Act and right to legal aid, ADR systems

#### Practical application:

What to do if you are arrested; if you are a consumer with a grievance; if you are a Victim of sexual harassment; domestic violence, child abuse, caste, ethnic and Religious

discrimination; filing a public interest litigation. How can you challenge Administrative orders that violate rights, judicial and administrative remedies

Using a hypothetical case of (for example) child abuse or sexual harassment or any other violation of a right, preparation of an FIR or writing a complaint addressed to the appropriate authority.

**Suggested Reading:**

1. Creating Legal Awareness, edited by Kamala Sankaran and Ujjwal Singh (Delhi: OUP, 2007)
2. Legal literacy: available amongst interdisciplinary courses on Institute of Life Long Learning (Delhi University) Virtual Learning Portal namely vle.du.ac.in Multiple Action Research Group, *Our Laws Vols 1-10*, Delhi.
3. Indian Social Institute, New Delhi, *Legal Literacy Series Booklets*.
4. S.K. Agarwala, *Public Interest Litigation in India*, K.M. Munshi Memorial Lecture, Second Series, Indian Law Institute, Delhi, 1985.
- 5.
6. S.P. Sathe, *Towards Gender Justice*, Research Centre for Womens' Studies, SNDT Women's University, Bombay, 1993.
7. Asha Bajpai, *Child Rights in India : Law, Policy, and Practice*, Oxford University Press, New Delhi, 2003
8. Agnes, Flavia *Law and Gender Equality*, OUP, 1997.
9. Sagade, Jaga, *Law of Maintenance: An Empirical Study*, ILS Law College, Pune 1996.
10. B.L. Wadhera, *Public Interest Litigation - A Handbook*, Universal, Delhi, 2003.
11. Nomita Aggarwal, *Women and Law in India*, New Century, Delhi, 2002.
12. P.C. Rao and William Sheffiled *Alternate Dispute Resolution: What it is and How it Works*, , Universal Law Books and Publishers, Delhi, 2002
13. V.N. Shukla's *Constitution of India* by Mahendra P. Singh, Eastern Book Co. 10<sup>th</sup> edition 2001.
14. Parmanand Singh, 'Access to Justice and the Indian Supreme Court', 10 & 11 Delhi Law Review 156, 1981-82.

**SEC-4: Conflict and Peace Building**

**Credit 02**

**SEC4T: Conflict and Peace Building**



## **Course Content:**

### **Unit I. Concepts**

- a. Understanding Conflict
- b. Conflict Management, Conflict Resolution and Conflict Transformation
- c. Peace Building

### **Unit II: Dimensions of Conflict**

- a. Ideology
- b. Economic/Resource Sharing Conflicts
- c. Socio- Cultural Conflicts (Ethnic, Religious, Gender- based)

### **Unit III: Sites of Conflict**

- a. Local
- b. Sub-National
- c. International

### **Unit IV: Conflict Responses: Skills and Techniques**

- a. Negotiations: Trust Building
- b. Mediation: Skill Building; Active Listening
- c. Track I, Track II & Multi Track Diplomacy
- d. Gandhian Methods

### **Classroom Exercises/ Activities:**

- 1) Map the ethnic composition of your classroom and examine the prevailing prejudices and stereotyping practices and their manifestations and then suggest a strategy for trust building.
- 2) Identify a group of immigrants/ refugees from the South Asian region (Afghans, Bangladeshis, Sri Lankans, Tibetans, Rohingya Muslims from Myanmar) and based on your interactions with them, write a report explaining their respective experiences of conflicts are amenable to what kind of solution?
- 3) Identify musical bands and other such endeavors' in the South Asian region which have used music as a peace building measure for promoting understanding among different communities.
- 4) A sport is a means or a barrier to promoting inter community understanding. Have a debate in the class arguing for and against this proposition.
- 5) Conduct a case study of resource allocation of water and electricity by the Government of Delhi. Identify, if any, elements of institutional discrimination has taken place.
- 6) Follow a conflict from any level (local/sub-national/national) covered in the news for a month and prepare a report on its causes, the parties and the dynamics of the conflict

- 7) Identify protests over sharing of environmental resources and study their modus operandi for seeking redressal (for example, Narmada Bachao Andolan, Protests against the Nuclear Plant in Kondakulm, Movements against POSCO and Vedanta in Orissa)
- 8) Organize a peace film festival in your college.
- 9) Follow any track-two initiative between India and any of its neighbours (for example, Neemrana Initiative, The Pakistan India Peoples forum for Peace and Democracy , RIMC Old Boys Network, Women’s Initiative for Peace in South Asia, Committee for Sane Nuclear Policy, Peace Pals) and, write a report on its activities and the impact factor.

### **Suggested Readings:**

1. O. Ramsbotham, T. Woodhouse and H. Miall, (2011) ‘Understanding Contemporary Conflict’, in *Contemporary Conflict Resolution*, (Third Edition), Cambridge: Polity Press, pp. 94-122.
2. W. Zartman, (1995) ‘Dynamics and Constraints In Negotiations In Internal Conflicts’, in William Zartman (ed.), *Elusive Peace: Negotiating an End to Civil Wars*, Washington: The Brookings Institute, pp. 3-29.
3. P. Wallensteen, (2012) ‘Armed Conflicts’, in *Understanding Conflict Resolution*, (Third Edition), London: Sage, pp. 13-28.
4. C. Mitchell, (2002) ‘Beyond Resolution: What Does Conflict Transformation Actually Transform?’, in *Peace and Conflict Studies*, 9:1, May, pp.1-23.
5. S. Ryan, (1990) ‘Conflict Management and Conflict Resolution’, in *Terrorism and Political Violence*, 2:1, pp. 54-71.
6. J. Lederach, (2003) *The Little Book Of a Conflict Transformation*, London: Good Books.
7. L.Doucet, (1996)*Thinking About Conflict*, Resource Pack For Conflict Transformation: International Alert.
8. M. Lund, (2001) ‘A Toolbox for Responding to Conflicts and Building Peace’, in L. Reychler and T. Paffenholz, eds., *Peace-Building: A Field Guide*, Boulder: Lynne Rienner, pp. 16-20.
9. L. Schirch, (2004) *The Little Book Of Strategic Peacebuilding*, London: Good Books.
10. R. Rubenstein, (2003) ‘Sources’, in S. Cheldelin, D. Druckman and L. Fast (eds.) *Conflict: From Analysis to Intervention*, London: Continuum, pp.55-67.
11. P. Le Billon, (2009) ‘Economic and Resource Causes of Conflicts’, in J. Bercovitch, V. Kremenyuk and I. Zartman (eds.)*The Sage Hand Book of Conflict Resolution*, London: Sage Publications, pp. 210-224.



12. S. Ayse Kadayifci-Orellana, (2009) 'Ethno-Religious Conflicts: Exploring the Role of Religion in Conflict Resolution', in J. Bercovitch, V. Kremenyuk and I. Zartman (eds.) *The Sage Hand Book of Conflict Resolution*, London: Sage Publications, pp. 264-284.
13. D. Barash and C. Webel, (2009) *Peace and Conflict Studies*, London: Sage Publication, pp. 91- 117.
14. D. Sandole, (2003) 'Typology' in S. Cheldelin, D. Druckman and L. Fast (eds.) *Conflict: From Analysis to Intervention*, London: Continuum, pp.39-54.
15. P. Wallenstein, (2007) *Understanding Conflict Resolution* (2nd ed.), London: Sage Publications.
16. H. Saunders, (1999) *A Public Peace Process: Sustained Dialogue To Transform Racial and Ethnic Conflicts*, Palgrave Macmillan: New York, pp. 1-30.
17. N. Behera, 'Forging New Solidarities: Non-official Dialogues', in M. Mekenkamp, P. Tongeren and H. Van De Veen (eds.), *Searching For Peace In Central And South Asia*, London: Lynne Rienner Publishers, pp. 210-236.
18. J Bercovitch, V. Kremenyuk, and I. Zartman (eds.), (2009) *The Sage Hand Book of Conflict Resolution*, London: Sage Publications.
19. M. Steger , (2001) 'Peacebuilding and Non-Violence: Gandhi's Perspective on Power', in D. Christie, R. Wagner and D. Winter, (eds.), *Peace, Conflict, and Violence: Peace Psychology for the 21st Century Englewood Cliffs*, New Jersey: Prentice-Hall.
20. J. Davies and E. Kaufman (eds.), (2003) *Second Track/Citizens' Diplomacy: Concepts and Techniques for Conflict Transformation*, Rowman & Littlefield: Maryland.
21. C. Webel and J. Galtung (eds.), (2007) *The Handbook of Peace and Conflict Studies*, London: Routledge.
22. Toolkits by United States Institute of Peace
23. S. Mason and M. Siegfried, (2010) *Debriefing Mediators To Learn Their Experiences*, Washington D.C: United States Institute of Peace.
24. I. Zartman and A. De Soto, (2010) *Timing Mediation Initiatives*, Washington D.C: United States Institute of Peace.
25. A. Smith and D. Smock, (2010) *Managing A Mediation Process*, Washington D.C: United States Institute of Peace.



26. H. Burgess and G. Burgess, (2010) *Conducting Track II*, Washington D.C: United States Institute of Peace. Online Resources Conflict Resolution in Popular Art and Culture:
27. The International Network of Peace Museums, at [www.museumsforpeace.org/](http://www.museumsforpeace.org/), contains links to visit the websites of many of the world's peace museums. Theatre, peace and conflict at Theatre Without Borders, [www.theatrewithoutborders.com/peacebuilding](http://www.theatrewithoutborders.com/peacebuilding)
28. Global Peace Film Festival, [www.peacefilmfest.org/](http://www.peacefilmfest.org/)  
Football for Peace International, [www.football4peace.eu/contact.html](http://www.football4peace.eu/contact.html) Dialogue: [http://www.pgexchange.org/images/toolkits/PGX\\_D\\_Sustained%20Dialogue.pdf](http://www.pgexchange.org/images/toolkits/PGX_D_Sustained%20Dialogue.pdf)
29. Mediation: [http://www.initiativeforpeacebuilding.eu/resources/A\\_guide\\_to\\_Mediation\\_HDC.pdf](http://www.initiativeforpeacebuilding.eu/resources/A_guide_to_Mediation_HDC.pdf)  
<http://www.pgexchange.org/images/toolkits/civicus%20mediation%20tool.pdf>  
<http://www.beyondintractability.org/bi-essay/mediation> Facilitation: [http://www.pgexchange.org/images/toolkits/pgx\\_facilitation\\_tool.pdf](http://www.pgexchange.org/images/toolkits/pgx_facilitation_tool.pdf)  
<http://www.beyondintractability.org/bi-essay/facilitation>
30. Negotiation: Roger Fisher et al, *Getting to Yes: Negotiating Agreement without Giving In*, New York: Penguin, 1991.  
[http://peacebuilding.caritas.org/index.php/Introduction\\_to\\_Principled\\_Negotiation](http://peacebuilding.caritas.org/index.php/Introduction_to_Principled_Negotiation)  
Reconciliation: <http://www.peacebuildinginitiative.org/index.cfm?pageId=1975>
31. John Paul Lederach, *The Journey Toward Reconciliation*, London: Herald Press, 1999.
32. Charles Lerche, "Peace Building through Reconciliation," *International Journal of Peace Studies*, Vol. 5. No. 2, 2000. [http://www.gmu.edu/programs/icar/ijps/vol5\\_2/lerche.htm](http://www.gmu.edu/programs/icar/ijps/vol5_2/lerche.htm) Crossword Puzzle: [http://www.cengage.com/cgiwadsworth/course\\_products\\_wp.pl?fid=M20bI&product\\_isbn\\_issn=9781133602101](http://www.cengage.com/cgiwadsworth/course_products_wp.pl?fid=M20bI&product_isbn_issn=9781133602101)  
[http://www.cengage.com/cgiwadsworth/course\\_products\\_wp.pl?fid=M20bI&product\\_isbn\\_issn=978111344238](http://www.cengage.com/cgiwadsworth/course_products_wp.pl?fid=M20bI&product_isbn_issn=978111344238)

### Generic Elective (GE)

[Interdisciplinary for other department]

**GE-1: Reading Gandhi**

**Credit: 06**

**GE1T: Reading Gandhi**

**Course Content:**

**A). Ways to read a text:**

a. textual

b. contextual

**B) Hind Swaraj:**

1. Gandhi in his own words: A close reading of Hind Swaraj.
2. Commentaries on Hind Swaraj and Gandhian thought:

**C) Gandhi and modern India.**

- a. Nationalism.
- b. Communal unity
- c. Women's Question
- d. Untouchability.

**Suggested Readings:**

1. Terence Ball, Reappraising Political Theory, Ch. 1, OUP, 1995
2. "Meaning and Interpretation in the History of Ideas" in Visions of Politics, Quentin Skinner(ed.), Vol. 1, CUP, Cambridge, 2002.
3. "Introduction", M.K.Gandhi, Hind Swaraj and other writings ed. A.J.Parel (1997).
4. B. Parekh, Gandhi (1997), chs. 4 ("Satyagraha") and 5 ("The critique of modernity").
5. D.Hardiman, Gandhi in his time and ours (2003), ch.4 ("An alternative modernity").
6. "Nationalist Movement in India--- A Reader" by Sekhar Bandyopadhyay. OXFORD. 2008.
7. Gandhi's India of my Dreams (compiled R.K.Prabhu):  
"The meaning of Swaraj" (no.2); "In defence of Nationalism" (no.3);  
"India's cultural heritage" (no.45); "Regeneration of Indian women" (no.54);  
"Women's education"(no.55); "Communal unity" (no.59); "The curse of  
untouchability" (no.61); "Religious tolerance.in India" (no.62);  
"The problem of minorities" (no.66).

**OR**

**GE-1: Nationalism in India**

**Credit 06**

**GE1T: Nationalism in India**

**Course Content:**

**I. Approaches to the Study of Nationalism in India**

Nationalist, Imperialist, Marxist, and Subaltern Interpretations

**II. Reformism and Anti-Reformism in the Nineteenth Century**

Major Social and Religious Movements in 19th century

### III. Nationalist Politics and Expansion of its Social Base

- a. Phases of Nationalist Movement: Liberal Constitutionalists, Swadeshi and the Radicals; Beginning of Constitutionalism in India
- b. Gandhi and Mass Mobilisation: Non-Cooperation Movement, Civil Disobedience Movement, and Quit India Movement
- c. Socialist Alternatives: Congress Socialists, Communists

### IV. Social Movements

- a. The Women's Question: Participation in the National Movement and its Impact
- b. The Caste Question: Anti-Brahminical Politics
- c. Peasant, Tribals and Workers Movements

### V. Partition and Independence

- a. Communalism in Indian Politics
- b. The Two-Nation Theory, Negotiations over Partition

### Suggested Readings:

1. S. Bandopadhyay, (2004) *From Plassey to Partition: A History of Modern India*, New Delhi: Orient Longman, pp. 184-191
2. R. Thapar, (2000) 'Interpretations of Colonial History: Colonial, Nationalist, Post-colonial', in P. DeSouza, (ed.) *Contemporary India: Transitions*, New Delhi: Sage Publications, pp. 25-36.
3. S. Bandopadhyay, (2004) *From Plassey to Partition: A History of Modern India*, New Delhi: Orient Longman, pp.139-158, 234-276.
4. A.Sen, (2007) 'The idea of Social Reform and its Critique among Hindus of Nineteenth Century India', in S. Bhattacharya, (ed.) *Development of Modern Indian Thought and the Social Sciences*, Vol. X. New Delhi: Oxford University Press.
5. S. Bandopadhyay, (2004) *From Plassey to Partition: A History of Modern India*. New Delhi: Orient Longman, pp. 279-311.
6. S. Sarkar, (1983) *Modern India (1885-1947)*, New Delhi: Macmillan,
7. P. Chatterjee, (1993) 'The Nation and its Past', in P. Chatterjee, *The Nation and its Fragments: Colonial and Postcolonial Histories*. New Delhi: Oxford University Press, pp. 76-115.
8. S. Bandopadhyay, (2004) *From Plassey to Partition: A history of Modern India*. New Delhi: Orient Longman, pp. 342-357, 369-381.
9. G. Shah, (2002) *Social Movements and the State*, New Delhi: Sage, pp. 13-31

10. A.Jalal, and S. Bose, (1997) *Modern South Asia: History, Culture, and Political Economy*. New Delhi: Oxford University Press, pp. 135-156.
11. A.Nandy, (2005) *Rashtravad banam Deshbhakti* Translated by A. Dubey, New Delhi: Vani Prakashan. pp. 23-33. (The original essay in English is from A. Nandy, (1994) New Delhi: Oxford University Press, pp. 1-8.)
12. B. Chakrabarty and R. Pandey, (2010) *Modern Indian Political Thought*, New Delhi: Sage Publications.
13. P. Chatterjee, (1993) *The Nation and its Fragments: Colonial and Postcolonial Histories*, New Delhi: Oxford University Press.
14. R. Pradhan, (2008) *Raj to Swaraj*, New Delhi: Macmillan (Available in Hindi).
15. S. Islam, (2006) *Bharat Mein Algaovaad aur Dharm*, New Delhi: Vani Prakashan.

**OR**

**GE-1: Understanding Ambedkar**

**Credit 06**

**GE1T: Understanding Ambedkar**

**Course Content:**

**I. Introducing Ambedkar**

Approach to Study Polity, History, Economy, Religion and Society

**II. Caste and Religion**

- a. Caste, Untouchability and Critique of Hindu Social Order
- b. Religion and Conversion

**III. Women's Question**

- a. Rise and Fall of Hindu Women
- b. Hindu Code Bill

**IV. Political Vision**

- a. Nation and Nationalism
- b. Democracy and Citizenship

**V. Constitutionalism**

- a. Rights and Representations
- b. Constitution as an Instrument of Social Transformation

**VI. Economy and Class Question**

- a. Planning and Development
- b. Land and Labor

**Students Presentations**

- a. **Format for Student Presentations**

- 1) Five presentations on any original writing/speeches by B. R Ambedkar can be used by the students for presentations (Preferably other than compulsory writings that has been suggested in the reading list)
- 2) Six Presentations on the different issues concerned to Ambedkar's works and the irrelevance in contemporary India. (Preferably other than compulsory writings that has been suggested in the reading list)
- 3) One Presentation on Critical understanding on Ambedkar's Ideas.

**b. References for Students' Presentations:**

- 1) Babasaheb Ambedkar, Writings and Speeches, 22 Volumes (Available on [www.ambedkar.org](http://www.ambedkar.org))
- 2) Narendra Jadhav, Ambedkar Spoke, 3 Volumes
- 3) Any other related audio-visual source

**Suggested Readings:**

1. G. Omvedt, (2008) 'Phule-Remembering The Kingdom of Bali', Seeking Begumpura Navyana, pp. 159-184.
2. M. Gore, (1993) *The Social Context of an Ideology: Ambedkar's Political and Social Thought*, Delhi: Sage Publication, pp. 73-122 ; 196-225.
3. B. Ambedkar, (1989) 'Annihilation of Caste with a Reply to Mahatma Gandhi', in *Dr. Babasaheb Ambedkar Writings and Speeches: Vol. 1*, Education Deptt., Government of Maharashtra, Mumbai, pp. 23-96.
4. E. Zelliott, (1996) 'From Untouchable to Dalit: Essays on the Ambedkar Movement', in *The Leadership of Babasaheb Ambedkar*, Delhi: Manohar, pp. 53-78.
5. G. Omvedt, *Liberty Equality and Community: Dr. Ambedkar's Vision of New Social Order*, Available at <http://www.ambedkar.org/research/LibertyEquality.htm>, Accessed: 19.04.2013.
6. *The Untouchables Who were they and why they become Untouchables?*, Available at [http://www.ambedkar.org/ambcd/39A.Untouchables%20who%20were%20they\\_w hy%20they%20became%20PART%20I.htm](http://www.ambedkar.org/ambcd/39A.Untouchables%20who%20were%20they_w hy%20they%20became%20PART%20I.htm), Accessed: 18.04.2013.
7. B. Ambedkar, (1987) 'The Hindu Social Order: Its Essential Principles', in *Dr. Babasaheb Ambedkar Writings and Speeches: Vol. 3*, Education Deptt., Government of Maharashtra, 1989, pp. 95-129.
8. B. Ambedkar, (2003) 'What way Emancipation?', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-III*, Education Deptt., Government of Maharashtra, Mumbai, pp-175-201.
9. B. Ambedkar, (1987) 'Philosophy of Hinduism', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 3*, Education Deptt., Government of Maharashtra, Mumbai, pp-3-92.

10. E. Zelliott, (2013) 'Ambedkar's World: The Making of Babasaheb and the Dalit Movement', in *The Religious Conversion Movement-1935-1956*, Delhi, pp. 143-173.
11. S. Rege, (2013) 'Against the Madness of Manu', in *B. R. Ambedkar's Writings on Brahmanical Patriarchy*, Navyana Publication, pp. 13-59 ; 191-232.
12. B. Ambedkar, (2003) 'The Rise and Fall of Hindu Woman: Who was Responsible for It?', in *Dr. Babasaheb Ambedkar Writings and Speeches Vol. 17- II*, Education Deptt., Government of Maharashtra, Mumbai, pp. 109-129.
13. B. Ambedkar, (1987) 'The Women and the Counter-Revolution', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 3*, Education Deptt., Government of Maharashtra, Mumbai, pp.427-437.
14. P. Ramabai , (2013), *The High Caste Hindu Woman*, Critical Quest, Delhi.
15. B. Ambedkar, (1991) 'What Gandhi and Congress have done to the Untouchables', in *Dr. Babasaheb Ambedkar Writings and Speeches*, Education Deptt, Government of Maharashtra, Vol.9, pp. 40-102; 181-198; 274-297.
16. B. Ambedkar, (2003) 'Conditions Precedent for the successful working of Democracy', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-III*, Education Deptt, Government of Maharashtra, Mumbai, pp. 472-486.
17. G. Aloysius, (2009). *Ambedkar on Nation and Nationalism*, Critical Quest, Delhi.
18. B. R. Ambedkar, (2003), 'I have no Homeland', in *Dr. Babasaheb Ambedkar Writings and Speeches Vol- 17*, Education Deptt., Government of Maharashtra, Mumbai, pp-51-58.
19. B. Ambedkar, (2003), 'Role of Dr. B. R. Ambedkar in Bringing The Untouchables on the Political Horizon of India and Lying A Foundation of Indian Democracy', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-I*, Education Deptt., Government of Maharashtra, Mumbai, pp-63-178.
20. B. Ambedkar, (2003) 'Buddhism paved way for Democracy and Socialistic Pattern of Society', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-III*, Education Deptt., Government of Maharashtra, Mumbai, pp. 406-409.
21. B. Ambedkar, (2003) 'Failure of Parliamentary Democracy will Result in Rebellion, Anarchy and Communism', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-III*, Education Deptt., Government of Maharashtra, Mumbai, pp. 423-437.
22. B. Ambedkar, (2003) 'Prospects of Democracy in India', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-III*, Education Deptt., Government of Maharashtra, Mumbai, pp. 519-523.

23. B. Ambedkar, (2003) 'People cemented by feeling of one country, One Constitution and One Destiny, Take the Risk of Being Independent', in *Dr. Babasaheb Ambedkar Writings and Speeches Vol. 17-III*, Education Deptt, Government of Maharashtra, Mumbai, pp. 13-59.
24. Ambedkar, Evidence before South Borough committee on Franchise, Available at <http://www.ambedkar.org/ambcd/07.%20Evidence%20before%20the%20Southborough%20Committee.htm>, Accessed: 19.04.2013.
25. Constituent Assembly Debates, Ambedkar's speech on Draft Constitution on 4th November 1948, *CAD Vol. VII*, Lok Sabha Secretariat, Government of India, 3rd Print, pp. 31-41.
26. B. Ambedkar, (2013), *States and Minorities*, Delhi: Critical Quest.
27. A. Gajendran, (2007) 'Representation', in S. Thorat and Aryama (eds.), *Ambedkar in Retrospect: Essays on Economics, Politics and Society*, Delhi: Rawat Publishers, pp. 184-194.
28. B. Ambedkar, (2003), 'Depressed Classes against Second Chamber: Dr. Ambedkar on Joint Parliamentary Committee Report Provision for Better Representation Demanded', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-I*, Education Deptt, Government of Maharashtra, Mumbai, pp. 231-243.
29. B. Ambedkar, (1987) 'Buddha or Karl Marx', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 3*, Education Deptt., Government of Maharashtra, Mumbai, pp. 442-462.
30. S. Thorat, (2007) 'Economic System, Development and Economic Planning', in S. Thorat and Aryama (eds), *Ambedkar in Retrospect: Essays on Economics, Politics and Society*, Delhi: Rawat Publishers, pp. 25-48.
31. B. Ambedkar, (1991) 'Labor and Parliamentary Democracy and Welfare', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 10*, Education Deptt., Government of Maharashtra, Mumbai, pp. 106-112; 139-143; 243-252
32. B. Mungekar, (2007) 'Labour Policy' in S. Thorat and Aryama (eds), *Ambedkar in Retrospect: Essays on Economics, Politics and Society*, Delhi: Rawat Publishers, pp. 76-92.
33. R. Ram, (2010) 'Dr. Ambedkar, Neo Liberal Market-Economy and Social Democracy in India', in *Human Rights Global Focus, Vol. V (384)*, pp. 12-38, Available at [www.roundtableindia.co.in](http://www.roundtableindia.co.in), Accessed: 19.04.2013.
34. B. Ambedkar, (2003) 'Trade Union must Enter Politics to Protect their Interests', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-III*, Education Deptt, Government of Maharashtra, Mumbai, pp. 174-192.



35. B. Ambedkar, (1991) 'Why Indian Labour determined to War', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 10*, Education Deptt, Government of Maharashtra, Mumbai, pp. 36-43.
36. A. Teltumbde and S. Sen (eds), 'Caste Question in India', in *Scripting the Change, Selected Writings of Anuradha Ghandi*, pp. 62- 91.

## **GE-2: Human Rights, Gender and Environment**

**Credit 06**

### **GE2T: Human Rights, Gender and Environment**

#### **Course Content:**

#### **I : Understanding Social Inequality**

- Caste, Gender, Ethnicity and Class as distinct categories and their interconnection.
- Globalisation and its impact on workers, peasants, dalits, adivasis and women.

#### **II : Human Rights**

- Human Rights: Various Meanings
- UN Declarations and Covenants
- Human Rights and Citizenship Rights
- Human Rights and the Indian Constitution
- Human Rights, Laws and Institutions in India; the role of the National Human Rights Commission.
- Human Rights of Marginalized Groups: Dalits, Adivasis, Women, Minorities and Unorganized Workers.
- Consumer Rights: The Consumer Protection Act and grievance redressal mechanisms.
- Human Rights Movement in India.

#### **III : Gender**

- Analysing Structures of Patriarchy
- Gender, Culture and History
- Economic Development and Women
- The issue of Women's Political Participation and Representation in India
- Laws, Institutions and Women's Rights in India
- Women's Movements in India

#### **IV: Environment**

- Environmental and Sustainable Development
- UN Environment Programme: Rio, Johannesburg and after.
- Issues of Industrial Pollution, Global Warming and threats to Bio – diversity
- Environment Policy in India
- Environmental Movement in India

#### **Suggested Readings:**





1. Agarwal, Anil and Sunita Narain (1991), *Global Warming and Unequal World: A Case of Environmental Colonialism*, Centre for Science and Environment, Delhi.
2. Baxi, Upendra (2002), *The Future of Human Rights*, Oxford University Press, Delhi.
3. Beteille, Andre (2003), *Antinomies of Society: Essays on Ideology and Institutions*, Oxford University Press, Delhi.
4. Geetha, V. (2002) *Gender*, Sree Publications, Kolkata.
5. Ghanshyam Shah, (1991) *Social Movements in India*, Sage Publications, Delhi.
6. Guha, Ramachandra and Madhav Gadgil, (1993) *Environmental History of India*, University of California Press, Berkeley.
7. Haragopal, G. (1997) *The Political Economy of Human Rights*, Himachal Publishing House, Mumbai.
8. Menon, Nivedita (ed) (2000) *Gender and Politics in India*, Oxford University Press, Delhi.
9. Patel, Sujata et al (eds) (2003) *Gender and Caste: Issues in Contemporary Indian Feminism*, Kali for Women, Delhi.
10. Shah, Nandita and Nandita Gandhi (1992) *Issues at Stake: Theory and Practice in the Contemporary Women's Movement in India*, Kali for Women, Delhi.
11. Gonsalves, Colin (2011) *Kaliyug: The decline of human rights law in the period of globalization* Human Rights Law Network, New Delhi.
12. Sen, Amartya, *Development as Freedom* (1999) New Delhi, OUP.

**OR**

**GE-2: Contemporary Political Economy**

**Credit 06**

**GE2T: Contemporary Political Economy**

**Course Content:**

**I. Approaches to Political Economy**

Classical Liberalism, Marxism, Welfarism, Neo-liberalism and Gandhian approach

**II. Capitalist Transformation**

- a. European Feudalism and Transition to Capitalism
- b. Globalization: Transnational Corporations, World Trade Organization, Non-governmental Organizations (their role in development)

### III. Issues in Development

- (i) Culture: Media and Television
- (ii) Big Dams and Environmental Concerns
- (iii) Military: Global Arms Industry and Arms Trade
- (iv) Knowledge Systems

### IV. Globalization and Development Dilemmas

- (i) IT revolution and Debates on Sovereignty
- (ii) Gender
- (iii) Racial and Ethnic Problems
- (iv) Migration

### Suggested Readings:

1. Arblaster, A. (2006) 'The Rise and Decline of Western Liberalism' in Lal, D. *Reviving the Invisible Hand: The Case for Classical Liberalism in the Twenty first Century*. Princeton: Princeton University Press, pp. 1- 8, 17- 30, and 48- 51.
2. Mandel, E. (1979) *An Introduction to Marxist Economic Theory*. New York: Pathfinder Press, 3rd print, pp. 3-73.
3. Kersbergen, K.V. and Manow, P. (2009) *Religion, Class Coalition and Welfare State*. Cambridge: Cambridge University Press, chapters 1 and 10, pp. 1-38; 266-295
4. Andersen, J. G. (ed.) (2008) 'The Impact of Public Policies' in Caramani, D *Comparative Politics*. Oxford: Oxford University Press, ch 22, pp. 547- 563 .
5. Harvey, D. (2005) *A Brief History of Neo-liberalism*. Oxford: Oxford University Press, pp. 1- 206.
6. Ghosh, B.N. (2007) *Gandhian Political Economy: Principles, Practice and Policy*. Ashgate Publishing Limited, pp. 21- 88.
7. Phukan, M. (1998) *The Rise of the Modern West: Social and Economic History of Early Modern Europe*. Delhi: Macmillan India, (ch.14: Transition from Feudalism to Capitalism), pp. 420- 440.
8. Gilpin, R. (2003) *Global Political Economy: Understanding the International Economic Order*. Hyderabad: Orient Longman, pp. 278- 304.
9. Kennedy, P. (1993) *Preparing for the Twentieth Century*. UK: Vintage, Ch. 3
10. Gelinias, J. B. (2003) *Juggernaut Politics- Understanding Predatory Globalization*. Halifax, Fernwood, Ch.3. Available from: [www.globalpolicy.org](http://www.globalpolicy.org)
11. Gilpin, R. (2003) *Global Political Economy: Understanding the International Economic Order*. Hyderabad: Orient Longman, Ch. 8, pp. 196- 233.
12. Prasad, K. (2000) *NGOs and Social-economic Development Opportunities*. New Delhi: Deep & Deep, ch. 1, 2, 3, 5.

13. Fisher, J. (2003) *Non-governments – NGOs and the Political Development in the Third World*. Jaipur: Rawat, ch. 1, 4, 6.81
14. Media and Television Mackay, H. (2004) 'The Globalization of Culture' in Held, D. (ed.) *A Globalizing World? Culture, Economics and Politics*. London: Routledge, pp. 47- 84.
15. Tomlinson, J. (2004) 'Cultural Imperialism' in Lechner, F. J and Boli, J. (eds.) *The Globalization Reader*. Oxford: Blackwell, pp. 303- 311.
16. Lechner, F. J and Boli, J. (eds.) (2004) *The Globalization Reader*. Oxford: Blackwell, pp. 361- 376 and 398- 404.
17. Held, D. and Mcrew, A. (eds.) (2000) *The Global Transformations Reader*. Cambridge: Polity Press, pp. 374- 386.
18. Singh, S. (1997) *Taming the Waters: The Political Economy of Large Dams in India*. New Delhi: Oxford University Press, pp. 133- 163, 182- 203, 204- 240.
19. Kesselman, M. (2007) *The Politics of Globalization*. Boston: Houghton Mifflin Company, pp. 330- 339.
20. Marglin, S. (1990) 'Towards the Decolonisation of the Mind' in Marglin, S. and Marglin, F. A. (eds.) *Dominating Knowledge: Development, Culture and Resistance*. Oxford: Oxford University Press, pp. 1- 28.
21. L. Lechner, F. J and Boli, J. (eds.) (2004) *The Globalization Reader*. Oxford: Blackwell, pp. 211- 244.
22. Held, D. and Mcrew, A. (eds.) (2000) *The Global Transformations Reader*. Cambridge: Polity Press, pp. 105-155.
23. Omaha, K. (2004) 'The End of the Nation State', L. Lechner, F. J and Boli, J. (eds.) *The Globalization Reader*. Oxford: Blackwell, ch. 29.
24. Glen, J. (2007) *Globalization: North-South Perspectives*. London: Routledge, ch.6.
25. Sen, A. (2006) *Identity and Violence: Illusion and Destiny*. London: Penguin/Allen Lane, ch.7, pp. 130-148.
26. Berkovitch, N. (2004) 'The Emergence and Transformation of the International Women's Movements' in L. Lechner, F. J and Boli, J. (eds.) *The Globalization Reader*. Oxford: Blackwell, ch.31, pp. 251- 257.
27. Steans, J. (2000) 'The Gender Dimension' in Held, D. and Mcrew, A. (eds.), *The Global Transformations Reader*. Cambridge: Polity Press, ch.35, pp. 366- 373.

28. Tickner, J. A. (2008) 'Gender in World Politics' in Baylis, J., Smith, S. & Owens, P. (eds.) *Globalization of World Politics*, 4th edn., New Delhi: Oxford University Press, ch.15.
29. Kesselman, M. and Krieger, J. (2006) *Readings in Comparative Politics: Political Challenges and Changing Agendas*. Boston: Houghton Mifflin Company, pp. 243-254 and 266- 276.
30. Arya, S. and Roy, A. (eds.) *Poverty Gender and Migration*. New Delhi: Sage, Ch. 1
31. Kesselman, M. (2007) *The Politics of Globalization*. Boston: Houghton Mifflin Company, pp. 450- 462.
32. Nayyar, D. (ed.) (2002) *Governing Globalization*. Delhi: OUP, pp. 144- 176.

**OR**

**GE-2: United Nations and Global Conflicts**

**Credit 06**

**GE2T: United Nations and Global Conflicts**

**Course Content:**

**I. The United Nations**

- (a) An Historical Overview of the United Nations
- (b) Principles and Objectives
- (c) Structures and Functions: General Assembly; Security Council, and Economic and Social Council; the International Court of Justice and the specialised agencies (International Labour Organisation [ILO], United Nations Educational, Scientific and Cultural Organisation [UNESCO], World Health Organisation [WHO], and UN programmes and funds: United Nations Children's Fund [UNICEF], United Nations Development Programme [UNDP], United Nations Environment Programme [UNEP], United Nations High Commissioner for Refugees [UNHCR])
- (d) Peace Keeping, Peace Making and Enforcement, Peace Building and Responsibility to Protect
- (e) Millennium Development Goals

**II. Major Global Conflicts since the Second World War**

- (a) Korean War
- (b) Vietnam War
- (c) Afghanistan Wars
- (d) Balkans: Serbia and Bosnia

**III. Assessment of the United Nations as an International Organisation: Imperatives of Reforms and the Process of Reforms**

**Suggested Readings:**

1. Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp. 39-62.
2. Goldstein, J. and Pevehouse, J.C. (2006) *International relations*. 6th edn. New Delhi: Pearson, pp. 265-282.
3. Taylor, P. and Groom, A.J.R. (eds.) (2000) *The United Nations at the millennium*. London: Continuum, pp. 1-20.
4. Gareis, S.B. and Varwick, J. (2005) *The United Nations: an introduction*. Basingstoke: Palgrave, pp. 1-40.
5. Gowan, P. (2010) 'US: UN', in Gowan, P. 'A calculus of power: grand strategy in the twentyfirst century. London: Verso, pp. 47-71.
6. Baylis, J. and Smith, S. (eds.) (2008) *The globalization of world politics. an introduction to international relations*. 4th edn. Oxford: Oxford University Press, pp. 405-422.
7. Thakur, R. (1998) 'Introduction', in Thakur, R. (eds.) *Past imperfect, future uncertain: The UN at Ffifty*. London: Macmillan, pp. 1-14.
8. Basu, Rumki (2014) *United Nations: Structure and Functions of an international organization*, New Delhi, Sterling Publishers
9. Gareis, S.B. and Varwick, J. (2005) *The United Nations: An introduction*. Basingstoke:Palgrave, pp. 15-21.
10. Taylor, P. and Groom, A.J.R. (eds.) (2000) *The United Nations at the millennium*. London: Continuum, pp. 21-141.
11. Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp.119-135.
12. Nambiar, S. (1995) 'UN peace-keeping operations', in Kumar, S. (eds.) *The United Nations at fifty*. New Delhi, UBS, pp. 77-94.
13. Whittaker, D.J. (1997) 'Peacekeeping', in *United Nations in the contemporary world*. London: Routledge, pp. 45-56.
14. White, B. et al. (eds.) (2005) *Issues in world politics*. 3rd edn. New York: Macmillan, pp. 113-132.
15. Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp.264-266.
16. Sangal, P.S. (1986) 'UN, peace, disarmament and development', in Saxena, J.N. et.al. *United Nations for a better world*. New Delhi: Lancers, pp.109-114.

17. Baxi, U. (1986) 'Crimes against the right to development', in Saxena, J.N. et.al. *United Nations for a better world*. New Delhi: Lancers, pp.240-248.
18. Ghali, B.B. (1995) *An agenda for peace*. New York: UN, pp.5-38.
19. United Nations Department of Public Information. (2008) *The United Nations Today*. New York: UN.
20. Calvocoressi, P. (2001) *World Politics: 1945-200*. 3rd edn. Harlow: Pearson Education, pp.116-124.
21. Armstrong, D., Lloyd, L. and Redmond, J. (2004) *International organisations in world politics*. 3rd edn. New York: Palgrave Macmillan, pp. 42-43.
22. Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp. 64-65 and 172-173.
23. Calvocoressi, P. (2001) *World Politics: 1945-200*. 3rd edn. Harlow: Pearson Education, pp. 528-546.
24. Baylis, J. and Smith, S. (eds.) (2008) *The globalization of world politics. an introduction to international relations*. 4th edn. Oxford: Oxford University Press, pp. 562-564.
25. Achcar, G. (2004) *Eastern cauldron*. New York: Monthly Review Press, pp. 29-45 and 234- 241.
26. Achcar, G. (2003) *The clash of barbarisms: Sept. 11 and the making of the new world disorder*. Kolkata: K.P. Bachi & Co., pp. 76-81.
27. Prashad, V. (2002) *War against the planet*. New Delhi: Leftword, pp. 1-6. Ali, T. (ed.) (2000) *Masters of the Universe*. London: Verso, pp. 203-216.
28. Calvocoressi, P. (2001) *World Politics: 1945-200*. 3rd edn. Harlow: Pearson Education, pp.570-576.
29. Ali, T. (ed.) (2000) *Masters of the Universe*. London: Verso, pp. 230-245 and 271-284.
30. Kaldor, M. and Vashee, B. (eds.) (1997) *New wars*. London: Wider Publications for the UN University, pp. 137-144 and 153-171.
31. Viotti, P.R. and Kauppi, M.V. (2007) *International relations and world politics-security, economy, identity*. 3rd edn. New Delhi: Pearson Education, pp. 470-471.
32. Goldstein, J.S. (2003) *International relations*. 3rd edn. Delhi: Pearson Education, pp 43-51.
33. Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp.24-27.

34. Roberts, A. and Kingsbury, B. (eds.) (1994) *United Nations, Divided World*. 2nd edn. Oxford: Clarendon Press, pp. 420-436.
35. Taylor, P. and Groom, A.J.R. (eds.) (2000) *The United Nations at the millennium*. London: Continuum, pp. 196-223 and 295-326.
36. Gareis, S.B. and Varwick, J. (2005) *The United Nations: An introduction*. Basingstoke: Palgrave, pp. 214-242.
37. Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp. 91-112.
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39. Dodds, F. (ed.) (1987) *The way forward: beyond the agenda 21*. London: Earthscan.
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41. South Asia Human Rights Documentation Centre. (2006) *Human rights: an overview*. New Delhi: Oxford University Press.
42. Anan, K. (1997) *Renewing the United Nations: A Programme for Survival*. General Assembly Document: A/51/950; 14 July 1997. Available from: <http://daccessdds.un.org/doc/UNDOC/GEN/N97/189/79/1MG/n9718979.pdf>, Open Element (accessed on 13 October 2011).

# VIDYASAGAR UNIVERSITY



## Curriculum for 3-Year B. A (HONOURS) in Political Science

Under Choice Based Credit System (CBCS)  
w.e.f 2018-2019



**VIDYASAGAR UNIVERSITY**  
**B A (Honours) in Political Science**  
[Choice Based Credit System]

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks			
							CA	ESE	TOTAL	
<b>Semester-I</b>										
1	I	Core-1		CT1: Understanding Political Theory	6	5-1-0	15	60	75	
		Core-2		CT2: Constitutional Government and Democracy in India	6	5-1-0	15	60	75	
		GE-1		TBD	6	5-1-0/ 4-0-4	15	60	75	
		AECC-1		English/MIL	2	1-1-0	10	40	50	
	<b>Semester -I: total</b>					<b>20</b>				<b>275</b>
	<b>Semester-II</b>									
	II	Core-3		CT3: Political Theory – Concepts and Debates	6	5-1-0	15	60	75	
		Core-4		CT4: Political Process in India	6	5-1-0	15	60	75	
		GE-2		TBD	6	5-1-0/ 4-0-4	15	60	75	
		AECC-2		ENVS	4		20	80	100	
<b>Semester-II : total</b>					<b>22</b>				<b>325</b>	

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks			
							CA	ESE	TOTAL	
<b>Semester-III</b>										
2	III	Core-5		CT5: Introduction to Comparative Government and Politics	6	5-1-0	15	60	75	
		Core-6		CT6: Perspectives on Public Administration	6	5-1-0	15	60	75	
		Core-7		CT7: Perspectives on International Relations and World History	6	5-1-0	15	60	75	
		GE-3		TBD	6	5-1-0/ 4-0-4	15	60	75	
		SEC-1		TBD		2				1-1-0
	<b>Semester – III : total</b>					<b>26</b>				<b>350</b>
	<b>Semester-IV</b>									
	IV	Core-8		CT8: Political Processes and Institutions in Comparative Perspective	6	5-1-0	15	60	75	
		Core-9		CT9: Public Policy and Administration in India	6	5-1-0	15	60	75	
		Core-10		CT10:Global Politics	6	5-1-0	15	60	75	
GE-4			TBD	6	5-1-0/ 4-0-4	15	60	75		
SEC-2			TBD		2				1-0-0	10
<b>Semester – IV : total</b>					<b>26</b>				<b>350</b>	

Year	Semester	Course Type	Course Code	Course Title	Credit	L-T-P	Marks			
							CA	ESE	TOTAL	
		<b>Semester-V</b>								
<b>3</b>	<b>V</b>	Core-11		CT11: Classical Political Philosophy	6	5-1-0	15	60	75	
		Core-12		CT12: Modern Indian political Thought -I	6	5-1-0	15	60	75	
		DSE-1		TBD	6	5-1-0	15	60	75	
		DSE-2		TBD	6	5-1-0	15	60	75	
		<b>Semester –V : total</b>				<b>24</b>				<b>300</b>
			<b>Semester-VI</b>							
	<b>VI</b>	Core-13		CT13: Modern Political Philosophy	6	5-1-0	15	60	75	
		Core-14		CT14: Indian Political Thought - II	6	5-1-0	15	60	75	
		DSE-3		TBD	6	5-1-0	15	60	75	
DSE-4			TBD	6	5-1-0	15	60	75		
		<b>Semester – VI : total</b>				<b>24</b>			<b>300</b>	
<b>Total in all semester:</b>					<b>142</b>				<b>1900</b>	

**CC** = Core Course , **AECC** = Ability Enhancement Compulsory Course , **GE** = Generic Elective , **SEC** = Skill Enhancement Course , **DSE** = Discipline Specific Elective , **CA**= Continuous Assessment , **ESE**= End Semester Examination , **TBD**=To be decided , **CT** = Core Theory, **L** = Lecture, **T** = Tutorial ,**P** = Practical , **MIL** = Modern Indian Language , **ENVS** = Environmental Studies ,

**List of the Core courses and Electives**

**CORE COURSE (CC)**

- CC-1: Understanding Political Theory
- CC-2: Constitutional Government and Democracy in India
- CC-3: Political Theory-Concepts and Debates
- CC-4: Political Process in India
- CC-5: Introduction to Comparative Government and Politics
- CC-6: Perspectives on Public Administration
- CC-7: Perspectives on International Relations and World History
- CC-8: Political Processes and Institutions in Comparative Perspective
- CC-9: Public Policy and Administration in India
- CC-10: Global Politics
- CC-11: Classical Political Philosophy
- CC-12: Indian Political Thought-I
- CC-13: Modern Political Philosophy
- CC-14: Indian Political Thought-II

**Discipline Specific Elective (DSE)**

- DSE-1: India's Foreign Policy in a Globalizing World
- Or
- DSE-1: Development Process and Social Movements in Contemporary India
- DSE-2: Understanding South Asia
- Or
- DSE-2: United Nations and Global Conflicts
- DSE-3: Citizenship in a Globalizing World
- Or
- DSE-3 : Women, Power and Politics
- DSE-4: Human Rights in a Comparative Perspective
- Or
- DSE-4: Project Work

**Skill Enhancement Courses(SEC)**

- SEC-1: Democratic Awareness with Legal Literacy
- Or
- SEC-1: Public Opinion and Survey Research
- SEC-2: Legislative Practices and Procedures
- Or
- SEC-2: Peace and Conflict Resolution

**Generic Elective (GE)**

***[Interdisciplinary for other department]***

- GE-1: Nationalism in India
- Or
- GE-1: Feminism: Theory and Practice
- GE-2: Contemporary Political Economy
- Or
- GE-2: Governance: Issues and Challenges
- GE-3: Gandhi and the Contemporary World
- Or
- GE-3: Understanding Ambedkar
- GE-4: Politics of Globalization
- Or
- GE-4: United Nations and Global Conflicts

## CORE COURSE (CC)

### CC-1: Understanding Political Theory

Credit 06

#### C1T: Understanding Political Theory

##### I: Introducing Political Theory

1. What is Politics: Theorizing the 'Political'
2. Traditions of Political Theory: Liberal, Marxist, Anarchist and Conservative
3. Approaches to Political Theory: Normative, Historical and Empirical
4. Critical and Contemporary Perspectives in Political Theory: Feminist and Postmodern

##### II: Political Theory and Practice

###### The Grammar of Democracy

1. Democracy: The history of an idea
2. Procedural Democracy and its critique
3. Deliberative Democracy
4. Participation and Representation

##### Suggested Readings

- Bhargava, R. (2008) 'What is Political Theory', in Bhargava, R and Acharya, A. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 2-16.
- Bellamy, R. (1993) 'Introduction: The Demise and Rise of Political Theory', in Bellamy, R. (ed.) *Theories and Concepts of Politics*. New York: Manchester University Press, pp. 1-14.
- Glaser, D. (1995) 'Normative Theory', in Marsh, D. and Stoker, G. (eds.) *Theory and Methods in Political Science*. London: Macmillan, pp. 21-40.
- Sanders, D. (1995) 'Behavioral Analysis', in Marsh, D. and Stoker, G. (eds.) *Theory and Methods in Political Science*. London: Macmillan, pp. 58-75.
- Chapman, J. (1995) 'The Feminist Perspective', in Marsh, D. and Stoker, G. (eds.) *Theory and Methods in Political Science*. London: Macmillan, pp. 94-114.
- Bhargava, R. 'Why Do We Need Political Theory', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 17-36.
- Bannett, J. (2004) 'Postmodern Approach to Political Theory', in Kukathas, Ch. and Gaus, G. F. (eds.) *Handbook of Political Theory*. New Delhi: Sage, pp. 46-54.
- Vincent, A. (2004) *The Nature of Political Theory*. New York: Oxford University Press, 2004, pp.19-80.
- Srinivasan, J. (2008) 'Democracy', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 106-128.

- Owen, D. (2003) 'Democracy', in Bellamy, R. and Mason, A. (eds.) *Political Concepts*. Manchester and New York: Manchester University Press, pp. 105-117.
- Christiano, Th. (2008) 'Democracy', in Mckinnon, C. (ed.) *Issues in Political Theory*, New York: Oxford University Press, pp. 80-96.
- Arblaster, A. (1994) *Democracy*. (2nd Edition). Buckingham: Open University Press.
- Roy, A. 'Citizenship', in Bhargava, R. and Acharya, A. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 130-146.
- Brighouse, H. (2008) 'Citizenship', in Mckinnon, C. (ed.) *Issues in Political Theory*, New York: Oxford University Press, pp. 241-258.

## **CC-2: Constitutional Government and Democracy in India**

**Credit 06**

### **C2T: Constitutional Government and Democracy in India**

#### **I. The Constituent Assembly and the Constitution**

- a. Philosophy of the Constitution, the Preamble, and Features of the Constitution
- b. Fundamental Rights and Directive Principles

#### **II. Organs of Government**

- a. The Legislature: Parliament (1.5 weeks or 6 lectures)
- b. The Executive: President and Prime Minister
- c. The Judiciary: Supreme Court

#### **III. Federalism and Decentralization**

- a. Federalism: Division of Powers, Emergency Provisions, Fifth and Sixth Schedules
- b. Panchayati Raj and Municipalities

#### **Suggested Readings:**

- G. Austin, (2010) 'The Constituent Assembly: Microcosm in Action', in *The Indian Constitution: Cornerstone of a Nation*, New Delhi: Oxford University Press, 15th print, pp.1-
- R. Bhargava, (2008) 'Introduction: Outline of a Political Theory of the Indian Constitution', in
- R. Bhargava (ed.) *Politics and Ethics of the Indian Constitution*, New Delhi: Oxford University Press, pp. 1-40.
- D. Basu, (2012) *Introduction to the Constitution of India*, New Delhi: Lexis Nexis.
- S. Chaube, (2009) *The Making and Working of the Indian Constitution*, Delhi: National Book Trust.

- G. Austin, (2000) 'The Social Revolution and the First Amendment', in *Working a Democratic Constitution*, New Delhi: Oxford University Press, pp. 69-98. Sibal, (2010) 'From Niti to Nyaya,' *Seminar*, Issue 615, pp 28-34.
- *The Constitution of India: Bare Act with Short Notes*, (2011) New Delhi: Universal, pp. 4-16.
- Shankar and V. Rodrigues, (2011) 'The Changing Conception of Representation: Issues, Concerns and Institutions', in *The Indian Parliament: A Democracy at Work*, New Delhi: Oxford University Press, pp. 105-173.
- V. Hewitt and S. Rai, (2010) 'Parliament', in P. Mehta and N. Jayal (eds.) *The Oxford Companion to Politics in India*, New Delhi: Oxford University Press, pp. 28-42.
- J. Manor, (2005) 'The Presidency', in D. Kapur and P. Mehta P. (eds.) *Public Institutions in India*, New Delhi: Oxford University Press, pp.105-127.
- J. Manor, (1994) 'The Prime Minister and the President', in B. Dua and J. Manor (eds.) *Nehru to the Nineties: The Changing Office of the Prime Minister in India*, Vancouver: University of British Columbia Press, pp. 20-47.
- H. Khare, (2003) 'Prime Minister and the Parliament: Redefining Accountability in the Age of Coalition Government', in A. Mehra and G. Kueck (eds.) *The Indian Parliament: A Comparative Perspective*, New Delhi: Konark, pp. 350-368.
- U. Baxi, (2010) 'The Judiciary as a Resource for Indian Democracy', *Seminar*, Issue 615, pp. 61-67.
- R. Ramachandran, (2006) 'The Supreme Court and the Basic Structure Doctrine' in B. Kirpal et.al (eds.) *Supreme but not Infallible: Essays in Honour of the Supreme Court of India*, New Delhi: Oxford University Press, pp. 107-133.
- L. Rudolph and S. Rudolph, (2008) 'Judicial Review Versus Parliamentary Sovereignty', in *Explaining Indian Institutions: A Fifty Year Perspective, 1956-2006: Volume 2: The Realm of Institutions: State Formation and Institutional Change*. New Delhi: Oxford University Press, pp. 183-210.
- M. Singh, and R. Saxena (eds.), (2011) 'Towards Greater Federalization,' in *Indian Politics: Constitutional Foundations and Institutional Functioning*, Delhi: PHI Learning Private Ltd., pp. 166-195.
- V. Marwah, (1995) 'Use and Abuse of Emergency Powers: The Indian Experience', in B. Arora and D. Verney (eds.) *Multiple Identities in a Single State: Indian Federalism in a Comparative Perspective*, Delhi: Konark, pp. 136-159.
- Sharma, (2010) 'The 1990s: Great Expectations'; 'The 2000s: Disillusionment Unfathomable', in *Unbroken History of Broken Promises: Indian State and Tribal People*, Delhi: Freedom Press and Sahyog Pustak Kuteer, pp. 64-91.

- *The Constitution of India: Bare Act with Short Notes*, (2011) New Delhi: Universal, pp 192- 213.
- R. Dhavan and R. Saxena, (2006) 'The Republic of India', in K. Roy, C. Saunders and J. Kincaid (eds.) *A Global Dialogue on Federalism*, Volume 3, Montreal: Queen's University Press, pp. 166-197.
- R. Manchanda, (2009) *The No Nonsense Guide to Minority Rights in South Asia*, Delhi: Sage Publications, pp. 105-109.
- P. deSouza, (2002) 'Decentralization and Local Government: The Second Wind of Democracy in India', in Z. Hasan, E. Sridharan and R. Sudarshan (eds.) *India's Living Constitution: Ideas, Practices and Controversies*, New Delhi: Permanent Black, pp. 370-404.
- M. John, (2007) 'Women in Power? Gender, Caste and Politics of Local Urban Governance', in *Economic and Political Weekly*, Vol. 42(39), pp. 3986-3993.
- Raghunandan, J. R (2012) *Decentralization and local governments: The Indian Experience*, Orient Black Swan, New Delhi
- Baviskar, B.S and George Mathew (eds) 2009 *Inclusion and Exclusion in local governance: Field Studies from rural India*, New Delhi, Sage

### **CC-3: Political Theory-Concepts and Debates**

**Credit 06**

### **C3T: Political Theory-Concepts and Debates**

#### **Section A: Core Concepts**

#### **I. Importance of Freedom**

- a. Negative Freedom: Liberty
- b. Positive Freedom: Freedom as Emancipation and Development

*Important Issue:* Freedom of belief, expression and dissent

#### **II. Significance of Equality**

- a. Formal Equality: Equality of opportunity
- b. Political equality
- c. Egalitarianism: Background inequalities and differential treatment

*Important Issue:* Affirmative action

#### **III. Indispensability of Justice**

- a. Procedural Justice
- b. Distributive Justice
- c. Global Justice

*Important Issue:* Capital punishment

#### **IV. The Universality of Rights**

- a. Natural Rights





- b. Moral and Legal Rights
- c. Three Generations of Rights
- d. Rights and Obligations  
*Important Issue: Rights of the girl child*

### **Section B: Major Debates**

- a. Why should we obey the state? Issues of political obligation and civil disobedience.
- b. Are human rights universal? Issue of cultural relativism.
- c. How do we accommodate diversity in plural society? Issues of multiculturalism and toleration.

### **Suggested Readings:**

- Riley, Jonathan. (2008) 'Liberty' in Mckinnon, Catriona (ed.) *Issues in Political Theory*, New York: Oxford University Press, pp. 103-119.
- Knowles, Dudley. (2001) *Political Philosophy*. London: Routledge, pp. 69- 132.
- Swift, Adam. (2001) *Political Philosophy: A Beginners Guide for Student's and Politicians*. Cambridge: Polity Press, pp. 51-88.
- Carter, Ian. (2003) 'Liberty', in Bellamy, Richard and Mason, Andrew (eds.). *Political Concepts*. Manchester: Manchester University Press, pp. 4-15.
- Sethi, Aarti. (2008) 'Freedom of Speech and the Question of Censorship', in Bhargava, Rajeev and Acharya, Ashok. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 308-319.
- Swift, Adam. (2001) *Political Philosophy: A Beginners Guide for Student's and Politicians*. Cambridge: Polity Press, pp. 91-132.
- Casal, Paula & William, Andrew. (2008) 'Equality', in McKinnon, Catriona. (ed.) *Issues in Political Theory*. New York: Oxford University Press, pp. 149- 165.
- Acharya, Ashok. (2008) 'Affirmative Action', in Bhargava, Rajeev and Acharya, Ashok. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 298-307.
- Menon, Krishna. (2008) 'Justice', in Bhargava, Rajeev and Acharya, Ashok. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 74-86.
- Wolf, Jonathan. (2008) 'Social Justice', in McKinnon, Catriona. (ed.) *Issues in Political Theory*. New York: Oxford University Press, pp. 172-187.
- Swift, Adam. (2001) *Political Philosophy: A Beginners Guide for Student's and Politicians*. Cambridge: Polity Press, pp. 9-48.
- Knowles, Dudley. (2001) *Political Philosophy*. London: Routledge, pp. 177-238.

- McKinnon, Catriona. (ed.) (2008) *Issues in Political Theory*. New York: Oxford University Press, pp. 289-305.
- Bedau, Hugo Adam. (2003) 'Capital Punishment', in LaFollette, Hugh (ed.). *The Oxford Handbook of Practical Ethics*. New York: Oxford University Press, pp. 705-733.
- Seglow, Jonathan. (2003) 'Multiculturalism' in Bellamy, Richard and Mason, Andrew (eds.). *Political Concepts*. Manchester: Manchester University Press, pp. 156-168.
- Tulkdar, P.S. (2008) 'Rights' in Bhargava, Rajeev and Acharya, Ashok. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 88-104.
- McKinnon, Catriona. (2003) 'Rights', in Bellamy, Richard and Mason, Andrew. (eds.) *Political Concepts*. Manchester: Manchester University Press, pp. 16-27.
- Menlowe, M.A. (1993) 'Political Obligations', in Bellamy Richard.(ed.) *Theories and Concepts of Politics*. New York: Manchester University Press, pp. 174-194.
- Amoah, Jewel. (2007) 'The World on Her Shoulders: The Rights of the Girl-Child in the Context of Culture & Identity', in *Essex Human Rights Review*, 4(2), pp. 1-23.
- Working Group on the Girl Child (2007), *A Girl's Right to Live: Female Foeticide and Girl Infanticide*, available on [http://www.crin.org/docs/Girl's infanticide CSW 2007.txt](http://www.crin.org/docs/Girl's%20infanticide%20CSW%202007.txt)
- Hyums, Keith. (2008) 'Political Authority and Obligation', in Mckinnon, Catriona. (ed.) *Issues in Political Theory*, New York: Oxford University Press, pp. 9-26
- Martin, Rex. (2003) 'Political Obligation', in Bellamy, Richard and Mason, Andrew. (eds.) *Political Concepts*, Manchester: Manchester University Press, pp. 41-51.
- Campbell, Tom. (2008) 'Human Rights' in Mckinnon, Catriona. (ed.) *Issues in Political Theory*. New York: Oxford University Press, pp. 194-210.
- Mookherjee, Monica, 'Multiculturalism', in Mckinnon, Catriona. (ed.) *Issues in Political Theory*. New York: Oxford University Press, pp. 218- 234.
- Seglow, Jonathan, 'Multiculturalism', in Bellamy, Richard and Mason, Andrew. (eds.) *Political Concepts*, Manchester: Manchester University Press, pp. 156-168.

#### **CC-4: Political Process in India**

**Credit 06**

#### **C4T: Political Process in India**

##### **i. I. Political Parties and the Party System**

- Trends in the Party System; From the Congress System to Multi-Party Coalitions
- ii. **Determinants of Voting Behaviour**  
Caste, Class, Gender and Religion
  - iii. **III. Regional Aspirations**  
The Politics of Secession and Accommodation
  - iv. **IV. Religion and Politics**  
Debates on Secularism; Minority and Majority Communalism
  - v. **V. Caste and Politics**  
Caste in Politics and the Politicization of Caste
  - vi. **VI. Affirmative Action Policies**  
Women, Caste and Class
  - vii. **VII. The Changing Nature of the Indian State**  
Developmental, Welfare and Coercive Dimensions

**Suggested Readings:**

- R. Kothari, (2002) 'The Congress System', in Z. Hasan (ed.) *Parties and Party Politics in India*, New Delhi: Oxford University Press, pp 39-55.
- E. Sridharan, (2012) 'Introduction: Theorizing Democratic Consolidation, Parties and Coalitions', in *Coalition Politics and Democratic Consolidation in Asia*, New Delhi: Oxford University Press.
- Y. Yadav and S. Palshikar, (2006) 'Party System and Electoral Politics in the Indian States, 1952-2002: From Hegemony to Convergence', in P. deSouza and E. Sridharan (eds.) *India's Political Parties*, New Delhi: Sage Publications, pp. 73-115.
- Y. Yadav, (2000) 'Understanding the Second Democratic Upsurge', in F. Frankel, Z. Hasan, and R. Bhargava (eds.) *Transforming India: Social and Political Dynamics in Democracy*, New Delhi: Oxford University Press, pp. 120-145.
- C. Jaffrelot, (2008) 'Why Should We Vote? The Indian Middle Class and the Functioning of World's Largest Democracy', in *Religion, Caste and Politics in India*, Delhi: Primus, pp. 604- 619.
- R. Deshpande, (2004) 'How Gendered was Women's Participation in Elections 2004?', *Economic and Political Weekly*, Vol. 39, No. 51, pp. 5431-5436.
- S. Kumar, (2009) 'Religious Practices Among Indian Hindus,' *Japanese Journal of Political Science*, Vol. 10, No. 3, pp. 313-332.
- M. Chadda, (2010) 'Integration through Internal Reorganisation', in S. Baruah (ed.) *Ethnonationalism in India: A Reader*, New Delhi: Oxford University Press, pp. 379-402.

- P. Brass, (1999) 'Crisis of National Unity: Punjab, the Northeast and Kashmir', in *The Politics of India Since Independence*, New Delhi: Cambridge University Press and Foundation Books, pp.192-227.
- T. Pantham, (2004) 'Understanding Indian Secularism: Learning from its Recent Critics', in R. Vora and S. Palshikar (eds.) *Indian Democracy: Meanings and Practices*, New Delhi: Sage, pp. 235-256.
- N. Menon and A. Nigam, (2007) 'Politics of Hindutva and the Minorities', in *Power and Contestation: India since 1989*, London: Fernwood Publishing, Halifax and Zed Books, pp.36- 60.
- N. Chandhoke, (2010) 'Secularism', in P. Mehta and N. Jayal (eds.) *The Oxford Companion to Politics in India*, New Delhi: Oxford University Press, pp. 333-346.
- R. Kothari, (1970) 'Introduction', in *Caste in Indian Politics*, Delhi: Orient Longman, pp.3-25.
- M. Weiner, (2001) 'The Struggle for Equality: Caste in Indian Politics', in Atul Kohli (ed.) *The Success of India's Democracy*, New Delhi: Cambridge University Press, pp. 193-225.
- G. Omvedt, (2002) 'Ambedkar and After: The Dalit Movement in India', in G. Shah (ed.) *Social Movements and the State*, New Delhi: Sage Publications, pp. 293-309.
- M. Galanter, (2002) 'The Long Half-Life of Reservations', in Z. Hasan, E. Sridharan and R. Sudarshan (eds.) *India's Living Constitution: Ideas, Practices, Controversies*, New Delhi: Permanent Black, pp. 306-318.
- C. Jaffrelot, (2005) 'The Politics of the OBCs', in *Seminar*, Issue 549, pp. 41-45.
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- Verma, (2007) 'Police Agencies and Coercive Power', in S. Ganguly, L. Diamond and M. Plattner (eds.) *The State of India's Democracy*, Baltimore: John Hopkins University Press, pp. 130-139.

## **CC-5: Introduction to Comparative Government and Politics**

**Credit 06**

### **C5T: Introduction to Comparative Government and Politics**

#### **I. Understanding Comparative Politics**

- a. Nature and scope
- b. Going beyond Eurocentrism

#### **II. Historical context of modern government**

- a. Capitalism: meaning and development: globalization
- b. Socialism: meaning, growth and development
- c. Colonialism and decolonization: meaning, context, forms of colonialism; anti-colonialism struggles and process of decolonization

#### **III. Themes for comparative analysis**

A comparative study of constitutional developments and political economy in the following countries: Britain, Brazil, Nigeria and China.

#### **Suggested Readings:**

- J. Kopstein, and M. Lichbach, (eds), (2005) *Comparative Politics: Interests, Identities, and Institutions in a Changing Global Order*. Cambridge: Cambridge University Press, pp.1-5; 16- 36; 253-290.
- M. Mohanty, (1975) 'Comparative Political Theory and Third World Sensitivity', in *Teaching Politics*, Nos. 1 and 2, pp. 22-38 Additional Readings:
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#### **Additional Reading:**

- M. Mohanty, (1999) 'Colonialism and Discourse in India and China', Available at
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- L. Barrington et. al (2010) *Comparative Politics - Structures & Choices*, Boston, Wadsworth, pp. 212-13; 71-76; 84-89.
- M. Grant, (2009) 'United Kingdom Parliamentary System' in *The UK Parliament*. Edinburgh: Edinburgh University Press, pp. 24-43
- J. McCormick, (2007) *Comparative Politics in Transition*, UK: Wadsworth, pp. 260-270 (China)
- M. Kesselman, J. Krieger and William (2010), *Introduction to Comparative Politics: Political Challenges and Changing Agendas*, UK: Wadsworth. pp. 47-70 (Britain); 364- 388 (Nigeria); 625-648 (China); 415-440 (Brazil).
- P. Rutland, (2007) 'Britain', in J. Kopstein and M. Lichbach. (eds.) *Comparative Politics: Interest, Identities and Institutions in a Changing Global Order*. Cambridge: Cambridge University Press, pp. 39-79.



## CC-6: Perspectives on Public Administration

Credit 06

### C6T: Perspectives on Public Administration

#### I. Public administration as a discipline

- ✓ Meaning, Dimensions and Significance of the Discipline
- ✓ Public and Private Administration
- ✓ Evolution of Public Administration

#### II. Theoretical perspectives

##### Classical theories

- ✓ Scientific management (F.W.Taylor)
- ✓ Administrative Management (Gullick, Urwick and Fayol)
- ✓ Ideal-type bureaucracy (Max Weber)

##### Neo-classical theories

- ✓ Human relations theory (Elton Mayo)
- ✓ Rational decision-making (Herbert Simon)

##### Contemporary theories

- ✓ Ecological approach (Fred Riggs)
- ✓ Innovation and Entrepreneurship (Peter Drucker)

#### III. Public policy

- ✓ Concept, relevance and approaches
- ✓ Formulation, implementation and evaluation

#### IV. Major approaches in public administration

- ✓ New Public Administration
- ✓ New Public Management
- ✓ New Public Service Approach
- ✓ Good Governance
- ✓ Feminist Perspectives

#### Suggested Readings:

- Nicholas Henry, *Public Administration and Public Affairs*, Prentice Hall, 1999
- D. Rosenbloom, R. Kravchuk. and R. Clerkin, (2009) *Public Administration: Understanding Management, Politics and Law in Public Sector*, 7th edition, New Delhi: McGraw Hill, pp. 1- 40
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- Fredrickson and Smith, 'Decision Theory', in *The Public Administration Theory Primer*. Cambridge: Westview Press, 2003



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- Singh, *Public Administration: Roots and Wings*. New Delhi: Galgotia Publishing Company, 2002
- F. Riggs, *Administration in Developing Countries: The Theory of Prismatic Society*. Boston: Houghton Mifflin, 1964
- Peter Drucker, *Innovation and Entrepreneurship*, Harper Collins, 1999
- Peter F. Drucker , *The Practice of Management*, Harper Collins, 2006
- T. Dye, (1984) *Understanding Public Policy*, 5th Edition. U.S.A: Prentice Hall, pp. 1-44 *The Oxford Handbook of Public Policy* ,OUP,2006
- Xun Wu, M.Ramesh, Michael Howlett and Scott Fritzen ,*The Public Policy Primer: Managing The Policy Process*, Rutledge, 2010
- Mary Jo Hatch and Ann .L. Cunliffe *Organisation Theory : Modern, Symbolic and Postmodern Perspectives*, Oxford University Press,2006
- Michael Howlett, *Designing Public Policies : Principles And Instruments*, Rutledge, 2011 *The Oxford Handbook Of Public Policy*, Oxford University Press, 2006
- Prabir Kumar De, *Public Policy and Systems*, Pearson Education, 2012
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- Alison Jaggar, *Feminist Politics And Human Nature*, Brighton: Harvester Press,1983
- Maxine Molyneux and Shahra Razavi , *Gender, Justice, Development and Rights* ,Oxford: Oxford University Press, 2002

## **CC-7: Perspectives on International Relations and World History**

**Credit 06**

### **C7T: Perspectives on International Relations and World History**

## **A. Studying International Relations**

- i. How do you understand International Relations: Levels of Analysis
- ii. History and IR: Emergence of the International State System
- iii. Pre-Westphalia and Westphalia
- iv. Post-Westphalia

## **B. Theoretical Perspectives**

- i. Classical Realism & Neo-Realism
- ii. Liberalism & Neoliberalism
- iii. Marxist Approaches
- iv. Feminist Perspectives
- v. Eurocentricism and Perspectives from the Global South

## **C. An Overview of Twentieth Century IR History**

- i. World War I: Causes and Consequences
- ii. Significance of the Bolshevik Revolution
- iii. Rise of Fascism / Nazism
- iv. World War II: Causes and Consequences
- v. Cold War: Different Phases
- vi. Emergence of the Third World
- vii. Collapse of the USSR and the End of the Cold War
- viii. Post Cold War Developments and Emergence of Other Power Centers of Power

## **Suggested Readings:**

- M. Nicholson, (2002) *International Relations: A Concise Introduction*, New York: Palgrave, p. 1-4.
- R. Jackson and G. Sorensen, (2007) *Introduction to International Relations: Theories and Approches*, 3rd Edition, Oxford: Oxford University Press, pp. 2-7
- S. Joshua. Goldstein and J. Pevehouse, (2007) *International Relations*, New York: Pearson Longman, 2007, pp. 29-35
- C. Brown and K. Ainley, (2009) *Understanding International Relations*, Basingstoke: Palgrave, pp. 1-16.
- K. Mingst and J. Snyder, (2011) *Essential Readings in International Relations*, New York: W.W. Norton and Company, pp. 1-15.
- M. Smith and R. Little, (eds) (2000) 'Introduction', in *Perspectives on World Politics*, New York: Routledge, 2000, 1991, pp. 1-17.
- J. Baylis and S. Smith (eds), (2008) *The Globalization of World Politics: An Introduction to International Relations*, New York: Oxford University Press, pp. 1-6.
- R. Mansbach and K. Taylor, (2008) *Introduction to Global Politics*, New York: Routledge, pp. 2-32.

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- K. Mingst, (2011) *Essentials of International Relations*, New York: W.W. Norton and Company, pp. 16-63.
- P. Viotti and M. Kauppi, (2007) *International Relations and World Politics: Security, Economy, Identity*, Pearson Education, pp. 40-85.
- J. Baylis, S. Smith and P. Owens, (2008) *The Globalization of World Politics: An Introduction to International Relations*, New York: Oxford University Press, pp. 36-89.
- R. Mansbach and K. Taylor, (2008) *Introduction to Global Politics*, New York: Routledge, pp. 70-135.
- J Goldstein and J. Pevehouse, (2007) *International Relations*, New York: Pearson Longman, pp. 50-69.
- E. Hobsbawm, (1995) *Age of Extremes: The Short Twentieth Century 1914-1991*, Vikings.
- S. Lawson, (2003) *International Relations*, Cambridge: Polity Press, pp. 21-60.
- J. Singer, (1961) 'The International System: Theoretical Essays', *World Politics*, Vol. 14(1), pp. 77-92.
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- K. Mingst, (2011) *Essentials of International Relations*, New York: W.W. Norton and Company, pp. 93-178.
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- H. Morgenthau, (2007) 'Six Principles of Political Realism', in R. Art and R. Jervis, *International Politics*, 8th Edition, New York: Pearson Longman, pp. 7-14.

- T. Dunne and B. Schmidt, (2008) 'Realism', in J. Baylis and S. Smith (eds), *The Globalization of World Politics: An Introduction to International Relations*, New York: Oxford University Press, pp. 90-107.
- K. Waltz, (2007) 'The Anarchic Structure of World Politics', in R. Art and R. Jervis, *International Politics*, 8th Edition, New York: Pearson Longman, pp. 29-49.
- M. Nicholson, (2002) *International Relations: A Concise Introduction*, New York: Palgrave, pp. 6-7.
- H. Bull, (2000) 'The Balance of Power and International Order', in M. Smith and R. Little (eds), *Perspectives on World Politics*, New York: Routledge, pp. 115-124.
- T. Dunne, (2008) 'Liberalism', in J. Baylis and S. Smith (eds.), *The Globalization of World Politics: An Introduction to International Relations*, New York: Oxford University Press, pp. 108-123.
- R. Keohane and J. Nye, (2000) 'Transgovernmental Relations and the International Organization', in M. Smith and R. Little (eds.), *Perspectives on World Politics*, New York: Routledge, pp. 229-241.
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- R. Jackson and G. Sorensen, (2007) *Introduction to International Relations: Theories and Approaches*, 3rd Edition, Oxford: Oxford University Press, pp. 97-128.
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- J. Goldstein and J. Pevehouse, (2007) *International Relations*, New York: Pearson Longman, pp. 494-496; 500-503.
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## **CC-8: Political Processes and Institutions in Comparative Perspective**

**Credit 06**

### **C8T: Political Processes and Institutions in Comparative Perspective**

#### **I. Approaches to Studying Comparative Politics**

- a. Political Culture
- b. New Institutionalism

#### **II. Electoral System**

Definition and procedures: Types of election system (First Past the Post, Proportional Representation, Mixed Representation)

#### **III. Party System**

Historical contexts of emergence of the party system and types of parties

#### **IV. Nation-state**

What is nation–state? Historical evolution in Western Europe and postcolonial contexts  
'Nation' and 'State': debates

#### **V. Democratization**

Process of democratization in postcolonial, post- authoritarian and post-communist countries

#### **VI. Federalism**

Historical context Federation and Confederation: debates around territorial division of power.

#### **Suggested Readings:**

- M. Pennington, (2009) 'Theory, Institutional and Comparative Politics', in J. Bara and Pennington. (eds.) *Comparative Politics: Explaining Democratic System*. Sage Publications, New Delhi, pp. 13-40.
- M. Howard, (2009) 'Culture in Comparative Political Analysis', in M. Lichback and A. Zuckerman, pp. 134- S. (eds.) *Comparative Political: Rationality, Culture, and Structure*. Cambridge: Cambridge University Press.
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- M. Breuning, (eds) *21st Century Political Science: A Reference Book*. Los Angeles: Sage Publications, pp. 150-158.
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- R. Watts, (2008) 'Introduction', in *Comparing Federal Systems*. Montreal and Kingston: McGill Queen's University Press, pp. 1-27
- R. Saxena, (2011) 'Introduction', in Saxena, R (eds.) *Varieties of Federal Governance: Major Contemporary Models*. New Delhi: Cambridge University Press, pp. xii-x1.

## **CC-9: Public Policy and Administration in India**

**Credit 06**

### **C9T: Public Policy and Administration in India**

#### **I. Public Policy**

- a. Definition, characteristics and models
- b. Public Policy Process in India

#### **II. Decentralization**

- a. Meaning, significance and approaches and types
- b. Local Self Governance: Rural and Urban

#### **III. Budget**

- a. Concept and Significance of Budget
- b. Budget Cycle in India

c. Various Approaches and Types Of Budgeting

**IV. Citizen and Administration Interface**

- a. Public Service Delivery
- b. Redressal of Public Grievances: RTI, Lokpal, Citizens' Charter and E-Governance

**V. Social Welfare Administration**

- a. Concept and Approaches of Social Welfare
- b. Social Welfare Policies:
  - ✓ **Education:** Right To Education,
  - ✓ **Health:** National Health Mission,
  - ✓ **Food:** Right To Food Security
  - ✓ **Employment:** MNREGA

**Suggested Readings :**

- T. Dye, (1984) *Understanding Public Policy*, 5th Edition. U.S.A: Prentice Hall
- R.B. Denhardt and J.V. Denhardt, (2009) *Public Administration*, New Delhi: Brooks/Cole
- J. Anderson, (1975) *Public Policy Making*. New York: Thomas Nelson and sons Ltd.
- M. Howlett, M. Ramesh, and A. Perl, (2009), *Studying Public Policy: Policy Cycles and Policy subsystems*, 3rd edition, Oxford: Oxford University Press
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- D. A. Rondinelli and S.Cheema, *Decentralisation and Development*, Beverly Hills: Sage Publishers, 1983
- N.G.Jayal, *Democracy and The State: Welfare, Secular and Development in Contemporary India*, Oxford : Oxford University Press,1999
- Bidyut Chakrabarty, *Reinventing Public Administration: The Indian Experience*, Orient Longman,2007
- Noorjahan Bava, *Development Policies and Administration in India*, Delhi: Uppal Publishers, 2001
- Gabriel Almond and Sidney Verba, *The Civic Culture*, Boston: Little Brown, 1965
- M.P.Lester, *Political Participation- How and Why do People Get Involved in Politics* Chicago: McNally, 1965

- Erik-Lane, J. (2005) *Public Administration and Public Management: The Principal Agent Perspective*. New York: Routledge
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- Vasu Deva, *E-Governance In India: A Reality*, Commonwealth Publishers, 2005
- *World Development Report*, World Bank, Oxford University Press, 1992.
- M.J.Moon, *The Evolution of Electronic Government Among Municipalities: Rhetoric or Reality*, American Society For Public Administration, *Public Administration Review*, Vol 62, Issue 4, July –August 2002
- Pankaj Sharma, *E-Governance: The New Age Governance*, APH Publishers, 2004
- Pippa Norris, *Digital Divide: Civic Engagement, Information Poverty and the Internet in Democratic Societies*, Cambridge: Cambridge University Press, 2001.
- Stephan Goldsmith and William D. Eggers, *Governing By Network: The New Shape of the Public Sector*, Brookings Institution [Washington], 2004
- United Nation Development Programme, *Reconceptualising Governance*, New York, 1997 Mukhopadyay, A. (2005) ‘Social Audit’, in *Seminar*. No.551.
- Jean Drèze and Amartya Sen, *India, Economic Development and Social Opportunity*, Oxford: Oxford University Press, 1995
- J.Dreze and Amartya Sen, *Indian Development: Selected Regional Perspectives*, Oxford: Clareland Press, 1997
- Reetika Khera- Rural Poverty And Public Distribution System, EPW, Vol-XLVIII, No.45-46, Nov 2013
- Pradeep Chaturvedi [ed.], *Women And Food Security: Role of Panchayats*, Concept Publishers, 1997 National Food Security Mission: [nfsm.gov.in/Guidelines/XIIPlan/NFSMXII.pdf](http://nfsm.gov.in/Guidelines/XIIPlan/NFSMXII.pdf)

- Jugal Kishore, *National Health Programs of India: National Policies and Legislations*, Century Publications, 2005
- K. Lee and Mills, *The Economic Of Health In Developing Countries*, Oxford: Oxford University Press, 1983
- K. Vijaya Kumar, *Right to Education Act 2009: Its Implementation as to Social Development in India*, Delhi: Akansha Publishers, 2012.
- Marma Mukhopadhyay and Madhu Parhar(ed.) *Education in India: Dynamics of Development*, Delhi: Shipra Publications, 2007
- Nalini Juneja, *Primary Education for All in the City of Mumbai: The Challenge Set By Local Actors'*, International Institute For Educational Planning, UNESCO: Paris, 2001
- Surendra Munshi and Biju Paul Abraham [eds.] *Good Governance, Democratic Societies and Globalisation*, Sage Publishers, 2004
- Basu Rumki (2015) *Public Administration in India Mandates, Performance and Future Perspectives*, New Delhi, Sterling Publishers
  - ✓ [www.un.org/millenniumgoals](http://www.un.org/millenniumgoals)
  - ✓ <http://www.cefsindia.org>
  - ✓ [www.righttofoodindia.org](http://www.righttofoodindia.org)

## CC-10: Global Politics

Credit 06

### C10T: Global Politics

#### I. Globalization: Conceptions and Perspectives

- a. Understanding Globalization and its Alternative Perspectives
- b. Political: Debates on Sovereignty and Territoriality
- c. Global Economy: Its Significance and Anchors of Global Political Economy: IMF,
- d. World Bank, WTO, TNCs
- e. Cultural and Technological Dimension
- f. Global Resistances (Global Social Movements and NGOs)

#### II. Contemporary Global Issues

- a. Ecological Issues: Historical Overview of International Environmental Agreements, Climate Change, Global Commons Debate
- b. Proliferation of Nuclear Weapons
- c. International Terrorism: Non-State Actors and State Terrorism; Post 9/11 developments
- d. Migration
- e. Human Security

#### III. Global Shifts: Power and Governance

#### Suggested Readings :

- G. Ritzer, (2010) *Globalization: A Basic Text*, Sussex: Wiley-Blackwell, pp. 33-62.
- M. Strager, (2009) *Globalization: A Very Short Introduction*, London: Oxford University Press, pp. 1-16.
- R. Keohane and J. Nye Jr, (2000) 'Globalization: What's New? What's Not? (And So What?)', in *Foreign Policy*, No 118, pp. 104-119.
- McGrew, (2011) 'Globalization and Global Politics', in J. Baylis, S. Smith and P. Owens (eds.) *Globalization of World Politics: An Introduction to International Relations*, New York: Oxford University Press, pp. 14-31.
- Heywood, (2011) *Global Politics*, New York: Palgrave-McMillan, pp. 1-24. W. Ellwood, (2005) *The No-nonsense Guide to Globalization*, Jaipur: NI-Rawat Publications, pp. 12-23.
- Heywood, (2011) *Global Politics*, New York: Palgrave-McMillan, pp. 112-134.
- R. Keohane, (2000) 'Sovereignty in International Society', in D. Held and A. McGrew (eds.) *The Global Transformations Reader*, Cambridge: Polity Press, pp. 109-123.
- K. Shimko, (2005) *International Relations: Perspectives and Controversies*, New York: Houghton Mifflin, pp. 195-219.
- Heywood, (2011) *Global Politics*, New York: Palgrave-McMillan, pp. 454-479.
- T. Cohn, (2009) *Global Political Economy: Theory and Practice*, pp. 130-140 (IMF), 208-218 (WTO).
- R. Picciotto, (2003) 'A New World Bank for a New Century', in C. Roe Goddard et al., *International Political: State-Market Relations in a Changing Global Order*, Boulder: Lynne Rienner, pp. 341-351.
- Narlikar, (2005) *The World Trade Organization: A Very Short Introduction*, New York: Oxford University Press, pp. 22-98.
- J. Goldstein, (2006) *International Relations*, New Delhi: Pearson, pp. 392-405 (MNC). P. Hirst, G. Thompson and S. Bromley, (2009) *Globalization in Question*, Cambridge: Polity Press, pp. 68-100 (MNC).
- G. Ritzer, (2010) *Globalization: A Basic Text*, Sussex: Wiley-Blackwell, pp. 180-190.
- F. Lechner and J. Boli (ed.), (2004) *The Globalization Reader*, London: Blackwell, pp. 236-239(WTO).
- D. Held et al, (1999) *Global Transformations: Politics, Economics and Culture*, California: Stanford University Press, pp. 242-282 (MNC).

- T. Cohn, (2009) *Global Political Economy*, New Delhi: Pearson, pp. 250-323 (MNC).
- D. Held and A. McGrew (eds.), (2002) *Global Transformations Reader: Politics, Economics and Culture*, Cambridge: Polity Press, pp. 1-50; 84-91.
- M. Steger, (2009) 'Globalization: A Contested Concept', in *Globalization: A Very Short Introduction*, London: Oxford University Press, pp. 1-16.
- Appadurai, (2000) 'Grassroots Globalization and the Research Imagination', in *Public Culture*, Vol. 12(1), pp. 1-19.
- J. Beynon and D. Dunkerley, (eds.), (2012) *Globalisation: The Reader*, New Delhi: Rawat Publications, pp. 1-19.
- Vanaik, (ed.), (2004) *Globalization and South Asia: Multidimensional Perspectives*, New Delhi: Manohar Publications, pp. 171-191, 192-213, 301-317, 335-357.
- G. Ritzer, (2010) *Globalization: A Basic Text*, Sussex: Wiley-Blackwell, pp. 487-504.
- R. O'Brien et al., (2000) *Contesting Global Governance: Multilateral Economic Institutions and Global Social Movements*, Cambridge: Cambridge University Press, pp. 1-23.
- J. Fisher, (1998) *Non-Governments: NGOs and Political Development in the Third World*, Connecticut: Kumarian Press, pp. 1- 37 (NGO).
- G. Laxter and S. Halperin (eds.), (2003) *Global Civil Society and Its Limits*, New York: Palgrave, pp. 1-21.
- Heywood, (2011) *Global Politics*, New York: Palgrave-McMillan, pp. 150-156 (NGO).
- P. Willets, (2011) 'Trans-National Actors and International Organizations in Global Politics', in J. Baylis, S. Smith and P. Owens (eds.) *Globalization of World Politics*, New York: Oxford University Press, pp. 334-342. (NGO)
- J. Volger, (2011) 'Environmental Issues', in J. Baylis, S. Smith and P. Owens (eds.) *Globalization of World Politics*, New York: Oxford University Press, pp. 348-362.
- Heywood, (2011) *Global Politics*, New York: Palgrave, pp. 383-411. N. Carter, (2007) *The Politics of Environment: Ideas, Activism, Policy*, Cambridge: Cambridge University Press, pp. 13-81. P. Bidwai, (2011) 'Durban: Road to Nowhere', in *Economic and Political Weekly*, Vol.46, No.53, December, pp. 10-12.



- K. Shimko, (2005) *International Relations Perspectives and Controversies*, New York: Houghton-Mifflin, pp. 317-339.
- D. Howlett, (2011) 'Nuclear Proliferation', in J. Baylis, S. Smith and P. Owens (eds.) *Globalization of World Politics*, New York: Oxford University Press, pp. 384-397.
- P. Viotti and M. Kauppi, (2007) *International Relations and World Politics: Security, Economy and Identity*, New Delhi: Pearson, pp. 238-272.
- Heywood, (2011) *Global Politics*, New York: Palgrave, pp. 264-281.
- P. Viotti and M. Kauppi, (2007) *International Relations*, New Delhi: Pearson, pp. 276-307.
- Heywood, (2011) *Global Politics*, New York: Palgrave, pp. 282-301.
- J. Kiras, (2011) 'Terrorism and Globalization', in J. Baylis, S. Smith and P. Owens (eds.) *Globalization of World Politics*, New York: Oxford University Press, pp. 366-380.
- Vanaik, (2007) *Masks of Empire*, New Delhi: Tulika, pp. 103-128.
- G. Ritzer, (2010) *Globalization: A Basic Text*, Sussex: Wiley-Blackwell, pp. 298-322.
- S. Castles, (2012) 'Global Migration', in B. Chimni and S. Mallavarapu (eds.) *International Relations: Perspectives For the Global South*, New Delhi: Pearson, pp. 272-285.
- Acharya, (2011) 'Human Security', in J. Baylis, S. Smith and P. Owens (eds.) *Globalization of World Politics*, New York: Oxford University Press, pp. 480-493.
- S. Tadjbakhsh and A. Chenoy, (2007) *Human Security*, London: Routledge, pp. 13-19; 123-127; 236-243.
- Acharya, (2001) 'Human Security: East versus West', in *International Journal*, Vol. 56, no. 3, pp. 442-460.
- J. Rosenau, (1992) 'Governance, Order, and Change in World Politics', in J. Rosenau, and E. Czempiel (eds.) *Governance without Government: Order and Change in World Politics*, Cambridge: Cambridge University Press, pp. 1-29.
- Kumar and D. Messner (eds), (2010) *Power Shifts and Global Governance: Challenges from South and North*, London: Anthem Press.
- P. Dicken, (2007) *Global Shift: Mapping the Changing Contours of the World Economy*, New York: The Guilford Press.

- J. Close, (2001) 'The Global Shift: A quantum leap in human evolution', Available at <http://www.stir-global-shift.com/page22.php>, Accessed: 19.04.2013.

## **CC-11: Classical Political Philosophy**

**Credit 06**

### **C11T: Classical Political Philosophy**

#### **I. Text and Interpretation**

#### **II. Antiquity**

##### **Plato**

Philosophy and Politics, Theory of Forms, Justice, Philosopher King/Queen, Communism  
Presentation theme: Critique of Democracy; Women and Guardianship, Censorship

##### **Aristotle**

Forms, Virtue, Citizenship, Justice, State and Household  
Presentation themes: Classification of governments; man as zoon politikon

#### **III. Interlude:**

##### **Machiavelli**

Virtu, Religion, Republicanism  
Presentation themes: morality and statecraft; vice and virtue

#### **IV. Possessive Individualism**

##### **Hobbes**

Human nature, State of Nature, Social Contract, State  
Presentation themes: State of nature; social contract; Leviathan; atomistic individuals.

##### **Locke**

Laws of Nature, Natural Rights, Property,  
Presentation themes: Natural rights; right to dissent; justification of property

#### **Suggested Readings :**

- T. Ball, (2004) 'History and Interpretation' in C. Kukathas and G. Gaus, (eds.) *Handbook of Political Theory*, London: Sage Publications Ltd. pp. 18-30.
- B. Constant, (1833) 'The Liberty of the Ancients Compared with that of the Moderns', in D. Boaz, (ed), (1997) *The Libertarian Reader*, New York: The Free Press.
- J. Coleman, (2000) 'Introduction', in *A History of Political Thought: From Ancient Greece to Early Christianity*, Oxford: Blackwell Publishers, pp. 1-20.
- Q. Skinner, (2010) 'Preface', in *The Foundations of Modern Political Thought Volume I*, Cambridge: Cambridge University Press pp. ix-xv.
- Skoble and T. Machan, (2007) *Political Philosophy: Essential Selections*. New Delhi: Pearson Education, pp. 9-32.



- R. Kraut, (1996) 'Introduction to the study of Plato', in R. Kraut (ed.) *The Cambridge Companion to Plato*. Cambridge: Cambridge University Press, pp. 1-50.
- Reeve, (2009) 'Plato', in D. Boucher and P. Kelly, (eds) *Political Thinkers: From Socrates to the Present*, Oxford: Oxford University Press, pp. 62-80
- S. Okin, (1992) 'Philosopher Queens and Private Wives', in S. Okin *Women in Western Political Thought*, Princeton: Princeton University Press, pp. 28-50
- R. Kraut, (1996) 'The Defence of Justice in Plato's Republic', in R. Kraut (ed.) *The Cambridge Companion to Plato*. Cambridge: Cambridge University Press, pp. 311-337
- T. Saunders, (1996) 'Plato's Later Political Thought', in R. Kraut (ed.) *The Cambridge Companion to Plato*. Cambridge: Cambridge University Press, pp. 464-492.
- Skoble and T. Machan, (2007) *Political Philosophy: Essential Selections*. New Delhi: Pearson Education, pp. 53-64.
- T. Burns, (2009) 'Aristotle', in D. Boucher, and P. Kelly, (eds) *Political Thinkers: From Socrates to the Present*. Oxford: Oxford University Press, pp.81-99.
- Taylor, (1995) 'Politics', in J. Barnes (ed.), *The Cambridge Companion to Aristotle*. Cambridge: Cambridge University Press, pp. 232-258
- J. Coleman, (2000) 'Aristotle', in J. Coleman *A History of Political Thought: From Ancient Greece to Early Christianity*, Oxford: Blackwell Publishers, pp.120-186
- Hutchinson, (1995) 'Ethics', in J. Barnes, (ed.), *The Cambridge Companion to Aristotle* Cambridge: Cambridge University Press, pp. 195-232.
- Skoble and T. Machan, (2007) *Political Philosophy: Essential Selections*. New Delhi: Pearson Education, pp. 124-130
- Q. Skinner, (2000) 'The Adviser to Princes', in *Machiavelli: A Very Short Introduction*, Oxford: Oxford University Press, pp. 23-53
- J. Femia, (2009) 'Machiavelli', in D. Boucher, and P. Kelly, (eds) *Political Thinkers: From Socrates to the Present*. Oxford: Oxford University Press, pp. 163-184
- Q. Skinner, (2000) 'The Theorist of Liberty', in *Machiavelli: A Very Short Introduction*. Oxford: Oxford University Press, pp. 54-87.
- Skoble and T. Machan, (2007) *Political Philosophy: Essential Selections*. New Delhi: Pearson Education pp. 131-157.

- Baumgold, (2009) 'Hobbes', in D. Boucher and P. Kelly (eds) *Political Thinkers: From Socrates to the Present*. Oxford: Oxford University Press, pp. 189-206.
- Macpherson (1962) *The Political Theory of Possessive Individualism: Hobbes to Locke*. Oxford University Press, Ontario, pp. 17-29.
- Hampsher-Monk, (2001) 'Thomas Hobbes', in *A History of Modern Political Thought: Major Political Thinkers from Hobbes to Marx*, Oxford: Blackwell Publishers, pp. 1-67.
- Ryan, (1996) 'Hobbes's political philosophy', in T. Sorell, (ed.) *Cambridge Companion to Hobbes*. Cambridge: Cambridge University Press, pp. 208-245.
- Skoble and T. Machan, (2007) *Political Philosophy: Essential Selections*. New Delhi: Pearson Education, pp. 181-209.
- J. Waldron, (2009) 'John Locke', in D. Boucher and P. Kelly, (eds) *Political Thinkers: From Socrates to the Present*. Oxford: Oxford University Press, pp. 207-224
- Macpherson, (1962) *The Political Theory of Possessive Individualism: Hobbes to Locke*. Oxford University Press, Ontario, pp. 194-214.
- R. Ashcraft, (1999) 'Locke's Political Philosophy', in V. Chappell (ed.) *The Cambridge Companion to Locke*, Cambridge. Cambridge University Press, pp. 226-251.
- Hampsher-Monk, (2001) *A History of Modern Political Thought: Major Political Thinkers from Hobbes to Marx*, Oxford: Blackwell Publishers, pp. 69-116

## **CC-12: Indian Political Thought-I**

**Credit 06**

### **C12T: Indian Political Thought-I**

#### **I. Traditions of Pre-colonial Indian Political Thought**

- a. Brahmanic and Shramanic
- b. Islamic and Syncretic.

#### **II. Ved Vyasa (Shantiparva): Rajadharma**

#### **III. Manu: Social Laws**

#### **IV. Kautilya: Theory of State**

#### **V. Aggannasutta (Digha Nikaya): Theory of kingship**

#### **VI. Barani: Ideal Polity**

## VII. Abul Fazal: Monarchy

## VIII. Kabir: Syncretism

### Suggested readings :

- B. Parekh, (1986) 'Some Reflections on the Hindu Tradition of Political Thought', in T. Pantham, and K. Deutsch (eds.), *Political Thought in Modern India*, New Delhi: Sage Publications, pp. 17- 31.
- Altekar, (1958) 'The Kingship', in *State and Government in Ancient India*, 3rd edition, Delhi: Motilal Banarsidass, pp. 75-108.
- M. Shakir, (1986) 'Dynamics of Muslim Political Thought', in T. Pantham, and K. Deutsch (eds.), *Political Thought in Modern India*, New Delhi: Sage Publications, pp. 142- 160
- G. Pandey, (1978) *Sraman Tradition: Its History and Contribution to Indian Culture*, Ahmedabad: L. D. Institute of Indology, pp. 52-73.
- S. Saberwal, (2008) 'Medieval Legacy', in *Spirals of Contention*, New Delhi: Routledge, pp.1-
- *The Mahabharata* (2004), Vol. 7 (Book XI and Book XII, Part II), Chicago and London: University of Chicago Press.
- V. Varma, (1974) *Studies in Hindu Political Thought and Its Metaphysical Foundations*, Delhi: Motilal Banarsidass, pp. 211- 230.
- Chaturvedi, (2006) 'Dharma-The Foundation of Raja-Dharma, Law and Governance', in *The Mahabharta: An Inquiry in the Human Condition*, Delhi: Orient Longman, pp. 418- 464.
- Manu, (2006) 'Rules for Times of Adversity', in P. Olivelle, (ed. & trans.) *Manu's Code of Law: A Critical Edition and Translation of the Manava- Dharamsastra*, New Delhi: OUP, pp. 208-213.
- V. Mehta, (1992) 'The Cosmic Vision: Manu', in *Foundations of Indian Political Thought*, Delhi: Manohar, pp. 23- 39.
- R. Sharma, ( 1991) 'Varna in Relation to Law and Politics (c 600 BC-AD 500)', in *Aspects of Political Ideas and Institutions in Ancient India*, Delhi: Motilal Banarsidass, pp. 233- 251.
- P. Olivelle, (2006) 'Introduction', in *Manu's Code of Law: A Critical Edition and Translation of the Manava –Dharmasastra*, Delhi: Oxford University Press, pp. 3- 50.

- Kautilya, (1997) 'The Elements of Sovereignty' in R. Kangle (ed. and trns.), *Arthashastra of Kautilya*, New Delhi: Motilal Publishers, pp. 511- 514.
- V. Mehta, (1992) 'The Pragmatic Vision: Kautilya and His Successor', in *Foundations of Indian Political Thought*, Delhi: Manohar, pp. 88- 109.
- R. Kangle, (1997) *Arthashastra of Kautilya-Part-III: A Study*, Delhi: Motilal Banarsidass, rpt., pp. 116- 142.
- J. Spellman, (1964) 'Principle of Statecraft', in *Political Theory of Ancient India: A Study of Kingship from the Earliest time to Ceirca AD 300*, Oxford: Clarendon Press, pp. 132- 170.
- S. Collins, (ed), (2001) *Agganna Sutta: An Annotated Translation*, New Delhi: Sahitya Academy, pp. 44-49.
- S. Collins, (2001) 'General Introduction', in *Agganna Sutta: The Discussion on What is Primary (An Annotated Translation from Pali)*, Delhi: Sahitya Akademi, pp. 1- 26.
- Gokhale, (1966) 'The Early Buddhist View of the State', in *The Journal of Asian Studies*, Vol. XXVI, (1), pp. 15- 22.
- L. Jayasurya, 'Budhism, Politics and Statecraft', Available at [ftp.buddhism.org/Publications/.../Voll1\\_03\\_Laksiri%20Jayasuriya.pdf](ftp.buddhism.org/Publications/.../Voll1_03_Laksiri%20Jayasuriya.pdf), Accessed: 19.04.2013.
- Habib, (1998) 'Ziya Barni's Vision of the State', in *The Medieval History Journal*, Vol. 2, (1), pp. 19- 36.
- M. Alam, (2004) 'Sharia Akhlaq', in *The Languages of Political Islam in India 1200- 1800*, Delhi: Permanent Black, pp. 26- 43
- Fazl, (1873) *The Ain-i Akbari* (translated by H. Blochmann), Calcutta: G. H. Rouse, pp. 47-57.
- V. Mehta, (1992) 'The Imperial Vision: Barni and Fazal', in *Foundations of Indian Political Thought*, Delhi: Manohar, pp. 134- 156.

**Additional Readings:**

- M. Alam, (2004) 'Sharia in Naserean Akhlaq', in *Languages of Political Islam in India 1200-1800*, Delhi: Permanent Black, pp. 46- 69.
- Habib, (1998) 'Two Indian Theorist of The State: Barani and Abul Fazal', in *Proceedings of the Indian History Congress*. Patiala, pp. 15- 39.
- Kabir. (2002) *The Bijak of Kabir*, (translated by L. Hess and S. Singh), Delhi: Oxford University Press, No. 30, 97, pp. 50- 51 & 69- 70.

- V. Mehta, (1992) *Foundation of Indian Political Thought*, Delhi: Manohar, pp. 157- 183.
- G. Omvedt, (2008) 'Kabir and Ravidas, Envisioning Begumpura', in *Seeking Begumpura: The Social Vision of Anti Caste Intellectual*, Delhi: Navayana, pp. 91-107.

**Additional Reading:**

- L. Hess and S. Singh, (2002) 'Introduction', in *The Bijak of Kabir*, New Delhi: Oxford University Press, pp. 3- 35.

**CC-13: Modern Political Philosophy**

**Credit 06**

**C13T: Modern Political Philosophy**

**I. Modernity and its discourses**

This section will introduce students to the idea of modernity and the discourses around modernity. Two essential readings have been prescribed.

**II. Romantics**

a) **Jean Jacques Rousseau**

Presentation themes: General Will; local or direct democracy; self-government; origin of inequality.

b) **Mary Wollstonecraft**

Presentation themes: Women and paternalism; critique of Rousseau's idea of education; legal rights

**III. Liberal socialist**

**John Stuart Mill**

Presentation themes: Liberty, suffrage and subjection of women, right of minorities; utility principle.

**IV. Radicals**

a) **Karl Marx**

Presentation themes: Alienation; difference with other kinds of materialism; class struggle

b) **Alexandra Kollontai**

Presentation themes: Winged and wingless Eros; proletarian woman; socialization of housework; disagreement with Lenin

**Suggested Readings :**

- Kant. (1784) 'What is Enlightenment?,' available at <http://theliterarylink.com/kant.html>, Accessed: 19.04.2013
- S. Hall (1992) 'Introduction', in *Formations of Modernity* UK: Polity Press pages 1-16

- B. Nelson, (2008) *Western Political Thought*. New York: Pearson Longman, pp. 221-255.
- M. Keens-Soper, (2003) 'Jean Jacques Rousseau: The Social Contract', in M. Forsyth and M. Keens-Soper, (eds) *A Guide to the Political Classics: Plato to Rousseau*. New York: Oxford University Press, pp. 171-202.
- C. Jones, (2002) 'Mary Wollstonecraft's *Vindications* and their Political Tradition' in C. Johnson, (ed.) *The Cambridge Companion to Mary Wollstonecraft*, Cambridge: Cambridge University Press, pp. 42-58.
- S. Ferguson, (1999) 'The Radical Ideas of Mary Wollstonecraft', in *Canadian Journal of Political Science* XXXII (3), pp. 427-50, Available at <http://digitalcommons.ryerson.ca/politics>, Accessed: 19.04.2013.
- H. Magid, (1987) 'John Stuart Mill', in L. Strauss and J. Cropsey, (eds), *History of Political Philosophy*, 2nd edition. Chicago: Chicago University Press, pp. 784-801.
- P. Kelly, (2003) 'J.S. Mill on Liberty', in D. Boucher, and P. Kelly, (eds.) *Political Thinkers: From Socrates to the Present*. New York: Oxford University Press, pp. 324-359.
- J. Cropsey, (1987) 'Karl Marx', in L. Strauss and J. Cropsey, (eds) *History of Political Philosophy*, 2nd Edition. Chicago: Chicago University Press, pp. 802-828.
- L. Wilde, (2003) 'Early Marx', in D. Boucher and P. Kelly, P. (eds) *Political Thinkers: From Socrates to the Present*. New York: Oxford University Press, pp. 404-435.
- V. Bryson, (1992) 'Marxist Feminism in Russia' in *Feminist Political Theory*, London: Palgrave Macmillan, pp. 114-122
- C. Synnowich, (1993) 'Alexandra Kollontai and the Fate of Bolshevik Feminism' *Labour/Le Travail* Vol. 32 (Fall 1992) pp. 287-295
- Kollontai (1909), *The Social Basis of the Woman Question*, Available at <http://www.marxists.org/archive/kollonta/1909/social-basis.htm>, Accessed: 19.04.2013
- Bloom, (1987) 'Jean-Jacques Rousseau', in Strauss, L. and Cropsey, J. (eds.) *History of Political Philosophy*, 2nd edition. Chicago: Chicago University Press, pp. 559-580.
- Selections from *A Vindication of the Rights of Woman*, Available at <http://oregonstate.edu/instruct/phl302/texts/wollstonecraft/womana.html#CHAPTER%20II>, Accessed: 19.04.2013.
- Skoble and T. Machan, (2007) *Political Philosophy: Essential Selections*, New Delhi: Pearson Education, pp. 328-354.

- Ollman (1991) *Marxism: An Uncommon Introduction*, New Delhi: Sterling Publishers.
- G. Blakely and V. Bryson (2005) *Marx and Other Four Letter Words*, London: Pluto
- Skoble, and T. Machan, (2007) *Political Philosophy: Essential Selections*, New Delhi: Pearson Education, pp. 286-327.
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## **CC-14: Indian Political Thought-II**

**Credit 06**

### **C14T: Indian Political Thought-II**

- I.** Introduction to Modern Indian Political Thought
- II.** Rammohan Roy: Rights
- III.** Pandita Ramabai: Gender
- IV.** Vivekananda: Ideal Society
- V.** Gandhi: Swaraj
- VI.** Ambedkar: Social Justice
- VII.** Tagore: Critique of Nationalism
- VIII.** Iqbal: Community
- IX.** Savarkar: Hindutva
- X.** Nehru: Secularism
- XI.** Lohia: Socialism

### **Suggested Readings :**

- V. Mehta and T. Pantham (eds.), (2006) '*A Thematic Introduction to Political Ideas in Modern India: Thematic Explorations, History of Science, Philosophy and Culture in Indian civilization*' Vol. 10, Part: 7, New Delhi: Sage Publications, pp. xxvii-ixi.
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- D. Dalton, (1982) *Indian Idea of Freedom: Political Thought of Swami Vivekananda, Aurobindo Ghose, Mahatma Gandhi and Rabindranath Tagore*, Gurgaon: The Academic Press, pp. 154- 190.
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- V. Rodrigues, (2007) 'Good society, Rights, Democracy Socialism', in S. Thorat and Aryama (eds.), *Ambedkar in Retrospect - Essays on Economics, Politics and Society*, Jaipur: IIDS and Rawat Publications.
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### **DISCIPLINE SPECIFIC ELECTIVE (DSE)**

**DSE-1: India's Foreign Policy in a Globalizing World**

**Credit 06**

**DSE1T: India's Foreign Policy in a Globalizing World**

**I. India's Foreign Policy: From a Postcolonial State to an Aspiring Global Power**

**II. India's Relations with the USA and USSR/Russia**

**III. India's Engagements with China**

**IV. India in South Asia: Debating Regional Strategies**

V. India's Negotiating Style and Strategies: Trade, Environment and Security Regimes  
VI. India in the Contemporary Multipolar World

**Suggested Readings :**

- S. Ganguly and M. Pardesi, (2009) 'Explaining Sixty Years of India's Foreign Policy', in *India Review*, Vol. 8 (1), pp. 4–19.
- Ch. Ogden, (2011) 'International 'Aspirations' of a Rising Power', in David Scott (ed.), *Handbook of India's International Relations*, London: Routledge, pp.3-31
- W. Anderson, (2011) 'Domestic Roots of Indian Foreign Policy', in W. Anderson, *Trusts with Democracy: Political Practice in South Asia*, Anthem Press: University Publishing Online.
- J. Bandhopadhyaya, (1970) *The Making Of India's Foreign Policy*, New Delhi: Allied Publishers.
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- Singh, (1995) 'India's Relations with Russia and Central Asia', in *International Affairs*, Vol. 71 (1): 69-81.
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- H. Pant, (2008) 'The U.S.-India Entente: From Estrangement to Engagement', in H. Pant, *Contemporary Debates in Indian Foreign and Security Policy: India Negotiates Its Rise in the International System*, Palgrave Macmillan: London.
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- H. Pant, (2011) 'India's Relations with China', in D. Scott (ed.), *Handbook of India's International Relations*, London: Routledge, pp. 233-242.
- Tellis and S. Mirski, (2013) 'Introduction', in A. Tellis and S. Mirski (eds.), *Crux of Asia: China, India, and the Emerging Global Order*, Carnegie Endowment for International Peace: Washington.
- S. Raghavan, (2013) 'Stability in Southern Asia: India's Perspective', in A. Tellis and S. Mirski (eds.), *Crux of Asia: China, India, and the Emerging Global Order*, Carnegie Endowment for International Peace: Washington.

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- M. Pardesi, (2005) 'Deducing India's Grand Strategy of Regional Hegemony from Historical and Conceptual Perspectives', IDSS Working Paper, 76, Available at <http://www.rsis.edu.sg/publications/WorkingPapers/WP76.pdf>, Accessed: 19.04.2013.
- D. Scott, (2009) 'India's "Extended Neighbourhood" Concept: Power Projection for a Rising Power', in *India Review*, Vol. 8 (2), pp. 107-143
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**Online Resources:**

Government of India's Ministry of External Relations website at <http://www.mea.gov.in/> and specially its library which provides online resources at <http://mealib.nic.in/> The Council of Foreign Relations has a regularly updated blog on India's foreign policy: <http://www.cfr.org/region/india/ri282> Centre for Policy Research's blog on IR and strategic affairs though it is not exclusively on India's foreign policy. <http://www.cprindia.org/blog/international-relations-and-security-blog> Institute for Defence Studies and Analyses: <http://www.idsa.in/> *Research and Information System*: [www.ris.org.in/](http://www.ris.org.in/) *Indian Council of World Affairs*: [www.icwa.in/](http://www.icwa.in/) *Institute of Peace and Conflict Studies*: [www.ipcs.org/](http://www.ipcs.org/) Indian Council for Research on International Economic Relations: [www.icrier.org/](http://www.icrier.org/)

**OR**

**DSE-1: Development Process and Social Movements in Contemporary India**

**Credit 06**

**DSE1T: Development Process and Social Movements in Contemporary India**

**I. Development Process since Independence**

- State and planning
- Liberalization and reforms

**II. Industrial Development Strategy and its Impact on the Social Structure**

- Mixed economy, privatization, the impact on organized and unorganized labour
- Emergence of the new middle class

**III. Agrarian Development Strategy and its Impact on the Social Structure**

- Land Reforms, Green Revolution
- Agrarian crisis since the 1990s and its impact on farmers

**IV. Social Movements**

- Tribal, Peasant, Dalit and Women's movements
- Maoist challenge
- Civil rights movements

**Suggested Readings :**

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- Varshney, (2010) 'Mass Politics or Elite Politics? Understanding the Politics of India's Economic Reforms' in R. Mukherji (ed.) *India's Economic Transition: The Politics of Reforms*, Delhi: Oxford University Press, pp 146-169.

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- G. Omvedt, (1983) *Reinventing Revolution, New Social Movements and the Socialist Tradition in India*, New York: Sharpe.
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- J. Harris, (2009) *Power Matters: Essays on Institutions, Politics, and Society in India*. Delhi: Oxford University Press.
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- M. Rao, (ed.), (1978) *Social Movements in India*, Vol. 2, Delhi: Manohar.
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- S. Chakravarty, (1987) *Development Planning: The Indian Experience*, Delhi: Oxford University Press.

## **DSE-2: Understanding South Asia**

**Credit 06**

### **DSE2T: Understanding South Asia**

#### **I. South Asia- Understanding South Asia as a Region**

- a) Historical and Colonial Legacies
- b) Geopolitics of South Asia

#### **II. Politics and Governance**

- a) Regime types: democracy, authoritarianism, monarchy
- b) Emerging constitutional practices: federal experiments in Pakistan; constitutional debate in Nepal and Bhutan; devolution debate in Sri Lanka

#### **III. Socio-Economic Issues**

- a) Identity politics and economic deprivation: challenges and impacts (case studies of Pakistan, Bangladesh, Nepal, Sri Lanka)

#### **IV. Regional Issues and Challenges**

- a) South Asian Association for Regional Cooperation (SAARC): problems and prospects
- b) Terrorism Migration

#### **Suggested Readings:**

- Hewitt, V. (1992) 'Introduction', in *The International Politics of South Asia*. Manchester: Manchester University Press, pp.1-10.
- Hewitt, V. (2010) 'International Politics of South Asia' in Brass, P. (ed.) *Routledge Handbook of South Asian Politics*. London: Routledge, pp.399-418.
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- Kukreja, V. (2003) Contemporary Pakistan. New Delhi: Sage, pp. 75-111 and 112-153.
- Narayan, S. (2010) 'SAARC and South Asia Economic Integration', in Muni, S.D. (ed.) Emerging dimensions of SAARC. New Delhi: Foundation Books, pp. 32-50.
- Muni, S.D. and Jetley, R. (2010) 'SAARC prospects: the Changing Dimensions', in Muni, S.D. (ed.) Emerging dimensions of SAARC. New Delhi: Foundation Books, pp. 1-31.
- Baral, L.R. (2006) 'Responding to Terrorism: Political and Social Consequences in South Asia', in Muni, S.D. (ed.) Responding to terrorism in South Asia. New Delhi: Manohar, pp.301-332.
- Muni, S.D. (2006) 'Responding to Terrorism: An Overview', in Muni, S.D. (ed.) Responding to terrorism in South Asia. New Delhi: Manohar, pp.453-469.
- Hoyt, T.D. (2005) 'The War on Terrorism: Implications for South Asia', in Hagerty, D.T. (ed.) South Asia in World Politics. Lanham: Roman and Littlefield Publishers, pp.281-295.

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- Hagerty, D.T. (ed.) (2005) South Asia in World Politics, Oxford: Rowman and Littlefield.
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- Kukreja, V. and Singh, M.P. (eds) (2008) Democracy, Development and Discontent in SouthAsia. New Delhi: Sage.

**OR**

**DSE-2: United Nations and Global Conflicts**

**Credit 06**

**DSE2T: United Nations and Global Conflicts**

**I. The United Nations**

- (a) An Historical Overview of the United Nations
- (b) Principles and Objectives
- (c) Structures and Functions: General Assembly; Security Council, and Economic and Social Council; the International Court of Justice and the specialised agencies (International Labour Organisation [ILO], United Nations Educational, Scientific and Cultural Organisation [UNESCO], World Health Organisation [WHO], and UN programmes and funds: United Nations Children's Fund [UNICEF], United Nations Development Programme [UNDP], United Nations Environment Programme [UNEP], United Nations High Commissioner for Refugees [UNHCR])

- (d) Peace Keeping, Peace Making and Enforcement, Peace Building and Responsibility to Protect
- (e) Millennium Development Goals

## **II. Major Global Conflicts since the Second World War**

- (a) Korean War
- (b) Vietnam War
- (c) Afghanistan Wars
- (d) Balkans: Serbia and Bosnia

## **III. Assessment of the United Nations as an International Organisation: Imperatives of Reforms and the Process of Reforms**

### **Suggested Readings:**

- Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp. 39-62.
- Goldstein, J. and Pevehouse, J.C. (2006) *International relations*. 6th edn. New Delhi: Pearson, pp. 265-282.
- Taylor, P. and Groom, A.J.R. (eds.) (2000) *The United Nations at the millennium*. London: Continuum, pp. 1-20.
- Gareis, S.B. and Varwick, J. (2005) *The United Nations: an introduction*. Basingstoke: Palgrave, pp. 1-40.
- Gowan, P. (2010) 'US: UN', in Gowan, P. 'A calculus of power: grand strategy in the twentyfirst century. London: Verso, pp. 47-71.
- Baylis, J. and Smith, S. (eds.) (2008) *The globalization of world politics. an introduction to international relations*. 4th edn. Oxford: Oxford University Press, pp. 405-422.
- Thakur, R. (1998) 'Introduction', in Thakur, R. (eds.) *Past imperfect, future uncertain: The UN at Ffifty*. London: Macmillan, pp. 1-14.
- Basu, Rumki (2014) *United Nations: Structure and Functions of an international organization*, New Delhi, Sterling Publishers
- Gareis, S.B. and Varwick, J. (2005) *The United Nations: An introduction*. Basingstoke: Palgrave, pp. 15-21.
- Taylor, P. and Groom, A.J.R. (eds.) (2000) *The United Nations at the millennium*. London: Continuum, pp. 21-141.
- Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp. 119-135.

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- Whittaker, D.J. (1997) 'Peacekeeping', in *United Nations in the contemporary world*. London: Routledge, pp. 45-56.
- White, B. et al. (eds.) (2005) *Issues in world politics*. 3rd edn. New York: Macmillan, pp. 113-132.
- Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp.264-266.
- Sangal, P.S. (1986) 'UN, peace, disarmament and development', in Saxena, J.N. et.al. *United Nations for a better world*. New Delhi: Lancers, pp.109-114.
- Baxi, U. (1986) 'Crimes against the right to development', in Saxena, J.N. et.al. *United Nations for a better world*. New Delhi: Lancers, pp.240-248.
- Ghali, B.B. (1995) *An agenda for peace*. New York: UN, pp.5-38.
- United Nations Department of Public Information. (2008) *The United Nations Today*. New York: UN.
- Calvocoressi, P. (2001) *World Politics: 1945-200*. 3rd edn. Harlow: Pearson Education, pp. 116-124.
- Armstrong, D., Lloyd, L. and Redmond, J. (2004) *International organisations in world politics*. 3rd edn. New York: Palgrave Macmillan, pp. 42-43.
- Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp. 64-65 and 172-173.
- Calvocoressi, P. (2001) *World Politics: 1945-200*. 3rd edn. Harlow: Pearson Education, pp.528-546.
- Baylis, J. and Smith, S. (eds.) (2008) *The globalization of world politics. an introduction to international relations*. 4th edn. Oxford: Oxford University Press, pp. 562-564.
- Achcar, G. (2004) *Eastern cauldron*. New York: Monthly Review Press, pp. 29-45 and 234- 241.
- Achcar, G. (2003) *The clash of barbarisms: Sept. 11 and the making of the new world disorder*. Kolkata: K.P. Bachi & Co., pp. 76-81.
- Prashad, V. (2002) *War against the planet*. New Delhi: Leftword, pp. 1-6. Ali, T. (ed.) (2000) *Masters of the Universe*. London: Verso, pp. 203-216.
- Calvocoressi, P. (2001) *World Politics: 1945-200*. 3rd edn. Harlow: Pearson Education, pp.570-576.

- Ali, T. (ed.) (2000) *Masters of the Universe*. London: Verso, pp. 230-245 and 271-284.
- Kaldor, M. and Vashee, B. (eds.) (1997) *New wars*. London: Wider Publications for the UN University, pp. 137-144 and 153-171.
- Viotti, P.R. and Kauppi, M.V. (2007) *International relations and world politics-security, economy, identity*. 3rd edn. New Delhi: Pearson Education, pp. 470-471.
- Goldstein, J.S. (2003) *International relations*. 3rd edn. Delhi: Pearson Education, pp 43-51. Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp.24-27.
- Roberts, A. and Kingsbury, B. (eds.) (1994) *United Nations, Divided World*. 2nd edn. Oxford: Clarendon Press, pp. 420-436.
- Taylor, P. and Groom, A.J.R. (eds.) (2000) *The United Nations at the millennium*. London: Continuum, pp. 196-223 and 295-326.
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- Dodds, F. (ed.) (1987) *The way forward: beyond the agenda 21*. London: Earthscan.
- Rajan, M.S., Mani, V.S and Murthy, C.S.R. (eds.) (1987) *The nonaligned and the United Nations*. New Delhi: South Asian Publishers.
- South Asia Human Rights Documentation Centre. (2006) *Human rights: an overview*. New Delhi: Oxford University Press.
- Anan, K. (1997) *Renewing the United Nations: A Programme for Survival*. General Assembly Document: A/51/950; 14 July 1997. Available from: <http://daccessdds.un.org/doc/UNDOC/GEN/N97/189/79/1IMG/n9718979.pdf>, Open Element (accessed on 13 October 2011).

**DSE-3: Citizenship in a Globalizing World**

**Credit 06**

**DSE3T: Citizenship in a Globalizing World**

1. Classical conceptions of citizenship
2. The Evolution of Citizenship and the Modern State
3. Citizenship and Diversity
4. Citizenship beyond the Nation-state: Globalization and global justice
5. The idea of cosmopolitan citizenship

### **Suggested Readings**

- Acharya, Ashok. (2012) *Citizenship in a Globalising World*. New Delhi: Pearson.
- Beiner, R. (1995) *Theorising Citizenship*. Albany: State University of New York Press.
- Held, David (1995), *Democracy and the Global Order: From the Modern State to Cosmopolitan Governance* (Stanford: Stanford University Press).
- Kymlicka, Will (1999), "Citizenship in an Era of Globalization: A Response to Held," in Ian Shapiro and Casiano Hacker-Cordon (eds.), *Democracy's Edges* (Cambridge, UK: Cambridge University Press).
- Oliver, D. and D. Heater (1994). *The Foundations of Citizenship*. London, Harvester Wheatsheaf.
- Scholte, Jan Aart (2000), *Globalization: A Critical Introduction* (New York: St. Martin's).
- Zolo, Danilo (1997), *Cosmopolis: Prospects for World Government* (Cambridge, UK: Polity Press).

**OR**

**DSE-3 : Women, Power and Politics**

**Credit 06**

**DSE3T : Women, Power and Politics**

### **I. Groundings**

1. Patriarchy
  - a. Sex-Gender Debates
  - b. Public and Private
  - c. Power
2. Feminism
3. Family, Community, State
  - a. Family
  - b. Community
  - c. State

### **II. Movements and Issues**

1. History of the Women's Movement in India
2. Violence against women
3. Work and Labour
  - a. Visible and Invisible work
  - b. Reproductive and care work



### c. Sex work

#### Suggested Readings :

- T. Shinde, (1993) 'Stree Purusha Tulna', in K. Lalitha and Susie Tharu (eds), *Women Writing in India*, New Delhi, Oxford University Press, pp. 221-234
- U. Chakravarti, (2001) 'Pitrasatta Par ek Note', in S. Arya, N. Menon & J. Lokneeta (eds.) *Naarivaadi Rajneeti: Sangharsh evam Muddey*, University of Delhi: Hindi Medium Implementation Board, pp.1-7
- V Geetha, (2002) *Gender*, Kolkata, Stree, pp. 1-20
- M. Kosambi, (2007) *Crossing the Threshold*, New Delhi, Permanent Black, pp. 3-10; 40-46
- N. Menon, (2008) 'Power', in R. Bhargava and A. Acharya (eds), *Political Theory: An Introduction*, Delhi: Pearson, pp.148-157
- Hooks, (2010) 'Feminism: A Movement to End Sexism', in C. Mc Cann and S. Kim (eds), *The Feminist Reader: Local and Global Perspectives*, New York: Routledge, pp. 51-57
- R. Delmar, (2005) 'What is Feminism?', in W. Kolmar & F. Bartkowski (eds) *Feminist Theory: A Reader*, pp. 27-37
- R. Palriwala, (2008) 'Economics and Patriline: Consumption and Authority within the Household' in M. John. (ed) *Women's Studies in India*, New Delhi: Penguin, pp. 414-423
- U. Chakravarti, (2003) *Gendering Caste through a Feminist Lens*, Kolkata, Stree, pp. 139-159.
- MacKinnon, 'The Liberal State' from *Towards a Feminist Theory of State*, Available at <http://fair-use.org/catharine-mackinnon/toward-a-feminist-theory-of-the-state/chapter-8>, Accessed: 19.04.2013.
- K. Millet, (1968) *Sexual Politics*, Available at <http://www.marxists.org/subject/women/authors/millett-kate/sexual-politics.htm>, Accessed: 19.04.2013.
- N. Menon (2008) 'Gender', in R. Bhargava and A. Acharya (eds), *Political Theory: An Introduction*, New Delhi: Pearson, pp. 224-233
- R. Hussain, (1988) 'Sultana's Dream', in *Sultana's Dream and Selections from the Secluded Ones – translated by Roushan Jahan*, New York: The Feminist Press
- S. Ray 'Understanding Patriarchy', Available at [http://www.du.ac.in/fileadmin/DU/Academics/course\\_material/hrge\\_06.pdf](http://www.du.ac.in/fileadmin/DU/Academics/course_material/hrge_06.pdf), Accessed: 19.04.2013.



- S. de Beauvoir (1997) *Second Sex*, London: Vintage.
- Saheli Women's Centre, (2007) *Talking Marriage, Caste and Community: Women's Voices from Within*, New Delhi: monograph
- Agnihotri and V. Mazumdar, (1997) 'Changing the Terms of Political Discourse: Women's Movement in India, 1970s-1990s', *Economic and Political Weekly*, 30 (29), pp. 1869-1878.
- R. Kapur, (2012) 'Hecklers to Power? The Waning of Liberal Rights and Challenges to Feminism in India', in A. Loomba *South Asian Feminisms*, Durham and London: Duke University Press, pp. 333-355
- N. Menon, (2004) 'Sexual Violence: Escaping the Body', in *Recovering Subversion*, New Delhi: Permanent Black, pp. 106-165
- P. Swaminathan, (2012) 'Introduction', in *Women and Work*, Hyderabad: Orient Blackswan, pp.1-17
- J. Tronto, (1996) 'Care as a Political Concept', in N. Hirschmann and C. Stephano, *Revisoning the Political*, Boulder: Westview Press, pp. 139-156
- Durbar Mahila Samanwaya Committee, Kolkata (2011) 'Why the so-called Immoral Traffic (Preventive) Act of India Should be Repealed', in P. Kotiswaran, *Sex Work*, New Delhi, Women Unlimited, pp. 259-262
- N. Jameela, (2011) 'Autobiography of a Sex Worker', in P. Kotiswaran, *Sex Work*, New Delhi: Women Unlimited, pp. 225-241
- Zetkin, 'Proletarian Woman', Available at <http://www.marxists.org/archive/zetkin/1896/10/women.htm>, Accessed: 19.04.2013.
- Engels, *Family, Private Property and State*, Available at <http://readingfromtheleft.com/PDF/EngelsOrigin.pdf>, Accessed: 19.04.2013.
- J. Ghosh, (2009) *Never Done and Poorly Paid: Women's Work in Globalising India*, Delhi: Women Unlimited
- *Justice Verma Committee Report*, Available at <http://nlrd.org/womens-rightsinitiative/> justice-verma-committee-report-download-full-report, Accessed: 19.04.2013.
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- V. Bryson, (1992) *Feminist Political Theory*, London: Palgrave-MacMillan, pp. 175-180; 196- 200

- M. Mies, (1986) 'Colonisation and Housewifisation', in *Patriarchy and Accumulation on a World Scale* London: Zed, pp. 74-111, Available at <http://caringlabor.wordpress.com/2010/12/29/maria-mies-colonization-andhousewifization/>, Accessed: 19.04.2013.
- R. Ghadially, (2007) *Urban Women in Contemporary India*, Delhi: Sage Publications.
- S. Brownmiller, (1975) *Against our Wills*, New York: Ballantine.
- Saheli Women's Centre (2001) 'Reproductive Health and Women's Rights, Sex Selection and feminist response' in S Arya, N. Menon, J. Lokneeta (eds), *Nariwadi Rajneeti*, Delhi, pp. 284-306
- V. Bryson (2007) *Gender and the Politics of Time*, Bristol: Polity Press
- D. Mehrotra, (2001) *Bhartiya Mahila Andolan: Kal, Aaj aur Kal*, Delhi: Books for Change
- Joshi, (2004) *Bharat Mein Stree Asmaanta: Ek Vimarsh*, University of Delhi: Hindi Medium Implementation Board
- N. Menon (2008) 'Power', in R. Bhargava and A. Acharya (eds) *Political Theory: An Introduction*, New Delhi: Pearson
- N. Menon (2008) 'Gender', in R. Bhargava and A. Acharya (eds) *Political Theory: An Introduction*, New Delhi, Pearson
- R. Upadhyay and S. Upadhyay (eds.) (2004) *Aaj ka Stree Andolan*, Delhi: Shabd Sandhan.
- S. Arya, N. Menon and J. Lokneeta (eds.) (2001) *Naarivaadi Rajneeti: Sangharsh evam Muddey*, University of Delhi: Hindi Medium Implementation Board.

#### **DSE-4: Human Rights in a Comparative Perspective**

**Credit 06**

#### **DSE4T: Human Rights in a Comparative Perspective**

##### **I. Human Rights: Theory and Institutionalization**

- a. Understanding Human Rights: Three Generations of Rights
- b. Institutionalization: Universal Declaration of Human Rights
- c. Rights in National Constitutions: South Africa and India

##### **II. Issues**

- a. Torture: USA and India
- b. Surveillance and Censorship: China and India
- c. Terrorism and Insecurity of Minorities: USA and India

### III. Structural Violence

- a. Caste and Race: South Africa and India
- b. Gender and Violence: India and Pakistan
- c. Adivasis/Aboriginals and the Land Question: Australia and India

#### Suggested Readings:

- J. Hoffman and P. Graham, (2006) 'Human Rights', *Introduction to Political Theory*, Delhi, Pearson, pp. 436-458.
- SAHRDC (2006) 'Introduction to Human Rights'; 'Classification of Human Rights: An Overview of the First, Second, and Third Generational Rights', in *Introducing Human Rights*, New Delhi: Oxford University Press.
- The Constitution of the Republic of South Africa, Chapter 2: Bill of Rights. The Constitution of India, Chapter 3: Fundamental Rights
- M. Lippman, (1979) 'The Protection of Universal Human Rights: The Problem of Torture' *Universal Human Rights*, Vol. 1(4), pp. 25-55
- J. Lokaneeta, (2011) 'Torture in the TV Show 24: Circulation of Meanings'; 'Jurisprudence on Torture and Interrogations in India', in *Transnational Torture Law, Violence, and State Power in the United States and India*, Delhi: Orient Blackswan,
- D. O'Byrne, (2007) 'Torture', in *Human Rights: An Introduction*, Delhi: Pearson, pp. 164-197.
- D. O'Byrne, (2007) 'Censorship', in *Human Rights: An Introduction*, Delhi: Pearson, pp. 106- 138.
- D. Lyon, (2008) Surveillance Society, Talk for Festival del Diritto, Piacenza, Italia, September 28, pp.1-7.
- Fu Hualing, (2012) 'Politicized Challenges, Depoliticized Responses: Political Monitoring in China's Transitions', paper presented at a conference on States of Surveillance: Counter- Terrorism and Comparative Constitutionalism, at the University of New South Wales, Sydney, 13-14 December.
- U. Singh, (2012) 'Surveillance Regimes in India', paper presented at a conference on States of Surveillance: Counter-Terrorism and Comparative Constitutionalism, at the University of New South Wales, Sydney, 13-14 December.
- E. Scarry, (2010) 'Resolving to Resist', in *Rule of Law, Misrule of Men*, Cambridge: Boston Review Books, MIT, pp.1-53.
- M. Ahmad, (2002) 'Homeland Insecurities: Racial Violence the Day after September 11', *Social Text*, 72, Vol. 20(3), pp. 101-116.

- U. Singh, (2007) 'The Unfolding of Extraordinariness: POTA and the Construction of Suspect Communities', in *The State, Democracy and Anti-terror Laws in India*, Delhi: Sage Publications, pp.165-219
- Pinto, (2001) 'UN Conference against Racism: Is Caste Race?', in *Economic and Political Weekly*, Vol. 36(30)
- D. O'Byrne, (2007) 'Apartheid', in *Human Rights: An Introduction*, Delhi: Pearson, pp. 241- 262.
- R. Wasserstorm, (2006), 'Racism, Sexism, and Preferential Treatment: An approach to the Topics', in R. Goodin and P. Pettit, *Contemporary Political Philosophy: an Anthology*, Oxford: Blackwell, pp-549-574
- R. Wolfrum, (1998) 'Discrimination, Xenophobia and Racism' in J. Symonides, *Human Rights: New Dimensions and Challenges*, Aldershot, Ashgate/UNESCO, pp.181-198.
- Khan and R. Hussain, (2008), 'Violence Against Women in Pakistan: Perceptions and Experiences of Domestic Violence', *Asian Studies Review*, Vol. 32, pp. 239 – 253
- K. Kannabiran (2012) 'Rethinking the Constitutional Category of Sex', in *Tools of Justice: Non-Discrimination and the Indian Constitution*, New Delhi, Routledge, pp.425-443
- N. Menon (2012) 'Desire', *Seeing Like a Feminist*, New Delhi: Zubaan/Penguin, pp. 91-146
- H. Goodall, (2011) 'International Indigenous Community Study: Adivasi Indigenous People in India', in A. Cadzow and J. Maynard (eds.), *Aboriginal Studies*, Melbourne: Nelson CengageLearning, pp.254-259.
- K. Kannabiran, (2012) 'Adivasi Homelands and the Question of Liberty', in *Tools of Justice: Non-Discrimination and the Indian Constitution*, New Delhi: Routledge, pp.242-271.
- N. Watson (2011) 'Aboriginal and Torres Strait Islander Identities' in A. Cadzow and J. Maynard (eds.), *Aboriginal Studies*, Melbourne: Nelson Cengage Learning, pp.43-52.
- W. Fernandes (2008) 'India's Forced Displacement Policy and Practice. Is Compensation up to its Functions?', in M. Cernea and H. Mathus (eds), *Can Compensation Prevent impoverishment? Reforming Resettlement through Investments and Benefit-Sharing*, pp. 181-207, New Delhi: Oxford University Press.
- Laws and V. Iacopino, (2002) 'Police Torture in Punjab, India: An Extended Survey', in *Health and Human Rights*, Vol. 6(1), pp. 195-210

- D. O'Byrne, (2007) 'Theorizing Human Rights', in *Human Rights: An Introduction*, Delhi, Pearson, pp.26-70.
- J. Morsink, (1999) *The Universal Declaration of Human Rights: Origins, Drafting and Intent*, Philadelphia: University of Pennsylvania Press, pp. ix-xiv
- J. Nickel, (1987) *Making Sense of Human Rights: Philosophical Reflections on the Universal Declaration of Human Rights*, Berkeley: University of California Press.
- J. Goldman, (2005) 'Of Treaties and Torture: How the Supreme Court Can Restrain the Executive', in *Duke Law Journal*, Vol. 55(3), pp. 609-640.
- K. Tsutsui and C. Wotipka, (2004) Global Civil Society and the International Human Rights Movement: Citizen Participation in Human Rights International Nongovernmental Organizations, in *Social Forces*, Vol. 83(2), pp. 587-620.
- L. Rabben, (2001) Amnesty International: Myth and Reality, in *Agni*, No. 54, Amnesty International Fortieth Anniversary pp. 8-28
- M. Mohanty, (2010) 'In Pursuit of People's Rights: An Introduction', in M. Mohanty et al., *Weapon of the Oppressed: Inventory of People's Rights in India*, New Delhi: Danish Books, pp.1-11
- M. Cranston, (1973) *What are Human Rights?* New York: Taplinger
- M. Ishay, (2004) *The History of Human Rights: From Ancient Times to the Globalization Era*, Delhi: Orient Blackswan.
- R. Sharan, (2009) 'Alienation and Restoration of Tribal Land in Jharkhand in N Sundar (ed.) *Legal Grounds*, New Delhi: Oxford University Press, pp. 82-112 Text of UDHR available at <http://www.un.org/en/documents/udhr/index.shtml>
- U. Baxi, (1989) 'From Human Rights to the Right to be Human: Some Heresies', in S. Kothari and H. Sethi (eds.), *Rethinking Human Rights*, Delhi: Lokayan, pp.181-166

**OR**

**DSE-4: Project Work**

**Credit 06**

**Skill Enhancement Course (SEC)**

**SEC-1: Democratic Awareness with Legal Literacy**

**Credit 02**

**SEC1T: Democratic Awareness with Legal Literacy**

**Course Content:**

**Unit I**

- Outline of the Legal system in India
- System of courts/tribunals and their jurisdiction in India - criminal and civil courts, writ jurisdiction, specialized courts such as juvenile courts, Mahila courts and tribunals.
- Role of the police and executive in criminal law administration.
- Alternate dispute mechanisms such as lok adalats, non - formal mechanisms.

**Unit II**

- Brief understanding of the laws applicable in India
- Constitution - fundamental rights, fundamental duties, other constitutional rights and their manner of enforcement, with emphasis on public interest litigation and the expansion of certain rights under Article 21 of the Constitution.
- Laws relating to criminal jurisdiction - provision relating to filing an FIR, arrest, bail search and seizure and some understanding of the questions of evidence and procedure in Cr. P.C. and related laws, important offences under the Indian PenalCode, offences against women, juvenile justice, prevention of atrocities on Scheduled Castes and Scheduled Tribes.
- Concepts like Burden of Proof, Presumption of Innocence, Principles of Natural Justice, Fair comment under Contempt laws.
- Personal laws in India : Pluralism and Democracy
- Laws relating to contract, property and tenancy laws.
- Laws relating to dowry, sexual harassment and violence against women
- Laws relating to consumer rights
- Laws relating to cyber crimes
- Anti-terrorist laws: implications for security and human rights
- Practical application: Visit to either a (I) court or (ii) a legal aid centre set up by the
- Legal Services Authority or an NGO or (iii) a Lok Adalat, and to interview a litigant or person being counselled. Preparation of a case history.

**Unit III**

### **Access to courts and enforcement of rights**

- Critical Understanding of the Functioning of the Legal System
- Legal Services Authorities Act and right to legal aid, ADR systems

### **Practical application:**

- What to do if you are arrested ; if you are a consumer with a grievance; if you are a victim of sexual harassment; domestic violence, child abuse, caste, ethnic and religious discrimination; filing a public interest litigation. How can you challenge administrative orders that violate rights, judicial and administrative remedies
- Using a hypothetical case of (for example) child abuse or sexual harassment or any other violation of a right, preparation of an FIR or writing a complaint addressed to the appropriate authority.

### **Exercises for students**

1. Discuss the debates around any recent Ordinance, Bill or Act in Parliament.
2. How to file an FIR? In case there has been a theft in the neighbourhood how would you file the first Hand Information Report?
3. Under what circumstances can detention and arrest become illegal?
4. Discuss any contemporary practice or event that violates the equality and protection against discrimination laws.
5. Read Ordinance XV -D of University of Delhi and make a list of the kinds of conduct that would qualify as sexual harassment.
6. Your friend has shared with you an incident of unwelcome verbal remarks on her by a person of higher authority in your college, what would you do?
7. You have seen a lady in your neighbourhood being beaten up by her husband. Identify the concerned Protection Officer in case you want to provide information about this incident.
8. Read the Vishakha Guidelines as laid down by the Supreme Court and the Act against sexual harassment at the workplace. Discuss what constitutes sexual harassment and the mechanisms available for its redressal in your institution.
9. What is the procedure to file an RTI?
10. You bought a product from a nearby shop which was expired, the shop keeper Refused to return it. Use your knowledge of Consumer Protection Act to decide what you do next?
11. What must you keep in mind as a consumer while making a purchase that may later help you make use of Consumer Protection Act? (Hint- Should you ask for a Bill?)
12. In your surroundings have you witnessed any incident that would be considered offensive under the SC and ST Act? Make a class- room presentation on it.

### **Suggested Readings:**

- *Creating Legal Awareness*, edited by Kamala Sankaran and Ujjwal Singh (Delhi: OUP, 2007)
- Legal literacy: available amongst interdisciplinary courses on Institute of Life Long Learning(Delhi University) Virtual Learning Portal namely vle.du.ac.in
- Multiple Action Research Group, *Our Laws Vols 1-10*, Delhi.



- Indian Social Institute, New Delhi, *Legal Literacy Series Booklets*.
- S.K. Agarwala, *Public Interest Litigation in India*, K.M. Munshi Memorial Lecture, Second Series, Indian Law Institute, Delhi, 1985.
- S.P. Sathe, *Towards Gender Justice*, Research Centre for Womens' Studies, SNDT Women's University, Bombay, 1993.
- Asha Bajpai, *Child Rights in India : Law, Policy, and Practice*, Oxford University Press, New Delhi, 2003
- Agnes, Flavia *Law and Gender Equality*, OUP, 1997.
- Sagade, Jaga, *Law of Maintenance: An Empirical Study*, ILS Law College, Pune 1996.
- B.L. Wadhwa, *Public Interest Litigation - A Handbook*, Universal, Delhi, 2003.
- Nomita Aggarwal, *Women and Law in India*, New Century, Delhi, 2002.
- P.C. Rao and William Sheffiled *Alternate Dispute Resolution: What it is and How it Works*, , Universal Law Books and Publishers, Delhi, 2002
- V.N. Shukla's *Constitution of India* by Mahendra P. Singh, Eastern Book Co. 10th edition 2001.
- Parmanand Singh, 'Access to Justice and the Indian Supreme Court', 10 & 11 Delhi Law Review 156, 1981-82.
- J. Kothari, (2005) 'Criminal Law on Domestic Violence', *Economic and Political Weekly*, Vol. 40(46), pp. 4843-4849.
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- P. Mathew, and P. Bakshi, (2005) '*Women and the Constitution*', New Delhi: Indian Social Institute.
- N. Menon, (2012) 'Sexual Violence', in *Seeing Like a Feminist*, New Delhi: Zubaan and Penguin, pp. 113-146.
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- SAHRDC, (2006) 'Criminal Procedure and Human Rights in India' in *Oxford Handbook of Human Rights and Criminal Justice in India- The system and Procedure*, New Delhi: Oxford University Press, pp.5-15.
- K. Sankaran and U. Singh, (2008) 'Introduction', in *Towards Legal Literacy*. New Delhi: Oxford University Press, pp. xi – xv.
- Pandey, (2008) 'Laws Relating to Criminal Justice: Challenges and Prospects', in K.Sankaran and U. Singh, *Towards Legal Literacy*, New Delhi: Oxford University Press, pp.61-77.
- SAHRDC, (2006) 'Reporting a Crime: First Information Report', in *Oxford Handbook of Human Rights and Criminal Justice in India- The system and Procedure*, New Delhi: Oxford University Press, pp.16-26.
- SAHRDC, (2006) 'Bail', in *Oxford Handbook of Human Rights and Criminal Justice in India- The system and Procedure*, New Delhi: Oxford University Press, pp.59-71.
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- P. Mathew, (2003) *Your Rights if you are Arrested*, New Delhi. Indian Social Institute.
- Gender Study Group, (1996) *Sexual Harassment in Delhi University, A Report*, Delhi: University of Delhi.
- P. Mathew, (2002) *The Law on Atrocities Against Scheduled Castes and Scheduled Tribes*, New Delhi: Indian Social Institute.
- K. Saxena, (2011) 'Dalits', in M. Mohanty et al., *Weapon of the Oppressed, Inventory of People's Rights in India*. Delhi: Danish Books, Pp.15-38
- K. Saxena, (2011) 'Adivasis', in M. Mohanty et al., *Weapon of the Oppressed, Inventory of People's Rights in India*, Delhi: Danish Books, Pp.39-65.
- S. Durrany, (2006) *The Protection of Women From Domestic Violence Act 2005*, New Delhi: Indian Social Institute.

- V. Kumari, (2008) 'Offences Against Women', in K, Sankaran and U. Singh (eds.) *Towards Legal Literacy*, New Delhi: Oxford University Press.
- P. D. Mathew,(2004)*The Measure to Prevent Sexual Harassment of Women in Work Place*. New Delhi: Indian Social Institute.
- D. Srivastva, (2007) 'Sexual Harassment and Violence against Women in India: Constitutional and Legal Perspectives', in C. Kumar and K. Chockalingam (eds) *Human Rights, Justice, and Constitutional Empowerment*, Delhi: Oxford University Press.
- S. Naib, (2013) 'Right to Information Act 2005', in *The Right to Information in India*, New Delhi: Oxford University Press, Available at [http://www.humanrightsinitiative.org/publications/rti/guide\\_to\\_use\\_rti\\_act\\_2005\\_English2012\\_light\\_Aspire.pdf](http://www.humanrightsinitiative.org/publications/rti/guide_to_use_rti_act_2005_English2012_light_Aspire.pdf).

#### **Bare Acts:**

- *Consumer Protection Act, 1986*, Available [http://chdsla.gov.in/right\\_menu/act/pdf/consumer.pdf](http://chdsla.gov.in/right_menu/act/pdf/consumer.pdf).
- *Criminal law Amendment Act, 2013*, Available at [http://egazette.nic.in/WriteReadData/2013/E\\_17\\_2013\\_212.pdf](http://egazette.nic.in/WriteReadData/2013/E_17_2013_212.pdf) , Accessed: 10.04.2013.
- *Protection of Women Against Domestic Violence Act, 2005*, Available at <http://wcd.nic.in/wdvact.pdf>.
- *Right to Information Act, 2005*, Available at <http://righttoinformation.gov.in/rti-act.pdf>.
- *Scheduled Castes and Scheduled Tribes Prevention of Atrocities Act, 1989*, Available at <http://tribal.nic.in/writereaddata/linkimages/poact989E4227472861.pdf>.
- *Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act 2006*, Available at <http://tribal.gov.in/writereaddata/mainlinkFile/File1033.pdf>.
- *The Persons with Disabilities (Equal Opportunities, Protection of Rights, Full Participation) Act, 1995*, Available at [http://bhind.nic.in/Sparsh\\_disability%20act%201995.pdf](http://bhind.nic.in/Sparsh_disability%20act%201995.pdf).
- *The Right of Children to Free and Compulsory Education Act, 2009*, Available at <http://www.delta.org.in/form/rte.pdf>.
- *The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Bill, 2012*, Available at [http://164.100.24.219/BillsTexts/LSBillTexts/PassedLoksabha/144C\\_2010\\_LS\\_En g.pdf](http://164.100.24.219/BillsTexts/LSBillTexts/PassedLoksabha/144C_2010_LS_En g.pdf).

- *Criminal Law Amendment Act, 2013*, Available at [mha.nic.in/pdfs/TheCrimnalLaw030413.pdf](http://mha.nic.in/pdfs/TheCrimnalLaw030413.pdf) File Format: PDF/Adobe Acrobat – Quick View.

OR

**SEC-1: Public Opinion and Survey Research**

**Credit 02**

**SEC1T: Public Opinion and Survey Research**

**I. Introduction to the course**

Definition and characteristics of public opinion, conceptions and characteristics, debates about its role in a democratic political system, uses for opinion poll

**II. Measuring Public Opinion with Surveys: Representation and sampling**

- b. What is sampling? Why do we need to sample? Sample design.
- c. Sampling error and non-response
- d. Types of sampling: Non random sampling (quota, purposive and snowball sampling); random sampling: simple and stratified

**III. Survey Research**

- a. Interviewing: Interview techniques pitfalls, different types of and forms of interview
- b. Questionnaire: Question wording; fairness and clarity.

**IV. Quantitative Data Analysis**

- a. Introduction to quantitative data analysis
- a. Basic concepts: correlational research, causation and prediction, descriptive and inferential Statistics

**V. Interpreting polls**

Prediction in polling research: possibilities and pitfalls  
Politics of interpreting polling

**Student Exercises:**

1. Discussion of readings and Indian examples.
2. Groups of students to collect examples of and discuss various sample based studies across many fields: e.g. consumer behaviour, unemployment rates, educational standards, elections, medicinal trials etc.
3. Non-random sampling: The students have to identify one group of people or behavior that is unique or rare and for which snowball sampling might be needed. They have to identify how they might make the initial contact with this group to start snowball rolling.
4. Give the students the electoral list of an area in Delhi (<http://ceodelhi.gov.in>). The students have to draw a random sample of n number of respondents.
5. For this activity, working with a partner will be helpful. The class should first decide on a topic of interest. Then each pair should construct a five-item self report questionnaire. Of the five items, there should be at least one

nominal response, one ordinal response and one interval. After the common questionnaire is constructed putting together the questions from everyone, working in pairs, the questionnaire should be administered on 10 different individuals.

6. Give the students a questionnaire from any public opinion survey and ask them to identify the type of variables.

### Suggested Readings:

- R. Erikson and K. Tedin, (2011) *American Public Opinion*, 8th edition, New York: Pearson Longman Publishers., pp. 40-46.
- G. Gallup, (1948) *A guide to public opinion polls* Princeton, Princeton University Press, 1948. Pp. 3-13.
- G. Kalton, (1983) *Introduction to Survey Sampling* Beverly Hills, Sage Publication.
- Lokniti Team (2009) 'National Election Study 2009: A Methodological Note', *Economic and Political Weekly*, Vol. XLIV (39)
- Lokniti Team, (2004) 'National Election Study 2004', *Economic and Political Weekly*, Vol. XXXIX (51).
- 'Asking About Numbers: Why and How', *Political Analysis* (2013), Vol. 21(1): 48-69, (first published online November 21, 2012)
- H. Asher, (2001) 'Chapters 3 and 5', in *Polling and the Public: What Every Citizen Should Know*, Washington DC: Congressional Quarterly Press.
- R. Erikson and K. Tedin, (2011) *American Public Opinion*, 8th edition, New York, Pearson Longman Publishers, pp. 40-46.
- Agresti and B. Finlay, (2009) *Statistical methods for the Social Sciences*, 4th edition, Upper saddle river, NJ: Pearson-Prentice Hall,
- S. Kumar and P. Rai, (2013) 'Chapter 1', in *Measuring Voting Behaviour in India*, New Delhi: Sage.
- R. Karandikar, C. Pyne and Y. Yadav, (2002) 'Predicting the 1998 Indian Parliamentary Elections', *Electoral Studies*, Vol. 21, pp.69-89.
- M. McDermott and K. A. Frankovic, (2003) 'Horserace Polling and Survey Methods Effects: An Analysis of the 2000 Campaign', *Public Opinion Quarterly* 67, pp. 244-264.
- K. Warren, (2001) 'Chapter 2', in *In Defense of Public Opinion Polling*, Boulder: Westview Press, pp. 45-80.
- W. Cochran, (2007) 'Chapter 1', *Sampling Techniques*, John Wiley & Sons.

- G. Gallup, (1948) *A Guide to Public Opinion Polls*. Princeton: Princeton University Press, pp. 14-20; 73-75.
- D. Rowntree (2000) *Statistics Without Tears: an Introduction for Non Mathematicians*, Harmondsworth: Penguin.

## SEC-2: Legislative Practices and Procedures

Credit 02

### SEC2T: Legislative Practices and Procedures

#### I. Powers and functions of people's representative at different tiers of governance

Members of Parliament, State legislative assemblies, functionaries of rural and urban local self - government from Zila Parishad, Municipal Corporation to Panchayat/ward.

#### II. Supporting the legislative process

How a bill becomes law, role of the Standing committee in reviewing a bill, legislative consultants, the framing of rules and regulations.

#### III. Supporting the Legislative Committees

Types of committees, role of committees in reviewing government finances, policy, programmes, and legislation.

#### IV. Reading the Budget Document

Overview of Budget Process, Role of Parliament in reviewing the Union Budget, Railway Budget, Examination of Demands for Grants of Ministries, Working of Ministries.

#### V. Support in media monitoring and communication

Types of media and their significance for legislators; Basics of communication in print and electronic media.

#### Suggested Readings :

- M. Madhavan, and N. Wahi, (2008) *Financing of Election Campaigns* PRS, Centre for Policy Research, New Delhi, Available at: [http://www.prsindia.org/uploads/media/conference/Campaign\\_finance\\_brief.pdf](http://www.prsindia.org/uploads/media/conference/Campaign_finance_brief.pdf), Accessed: 19.04.2013
- S. Vanka, (2008) *Primer on MPLADS*, Centre for Policy Research, New Delhi, Available at <http://www.prsindia.org/parliamenttrack/primers/mplads-487/>, Accessed: 19.04.2013
- H. Kalra, (2011) *Public Engagement with the Legislative Process* PRS, Centre for Policy Research, New Delhi, Available at: <http://www.prsindia.org/administrator/uploads/media/Conference%202011/Public%20Engagement%20with%20the%20Legislative%20Process.pdf>, Accessed: 19.04.2013.

- Government of India (*Lok Sabha* Secretariat), (2009) *Parliamentary Procedures (Abstract Series)*, Available at <http://164.100.47.132/LssNew/abstract/index.aspx>, Accessed: 19.04.2013
- Government of India, (Ministry of Parliamentary Affairs), (2009) *Legislation, Parliamentary Procedure*, Available at [http://mpa.nic.in/Manual/Manual\\_English/Chapter/chapter-09.htm](http://mpa.nic.in/Manual/Manual_English/Chapter/chapter-09.htm), Accessed: 19.04.2013
- Government of India, (Ministry of Parliamentary Affairs) (2009), *Subordinate Legislation, Parliamentary Procedure*, Available at: [http://mpa.nic.in/Manual/Manual\\_English/Chapter/chapter-11.htm](http://mpa.nic.in/Manual/Manual_English/Chapter/chapter-11.htm) Accessed: 19.04.2013
- D. Kapur and P. Mehta, (2006) ‘The Indian Parliament as an Institution of Accountability’, *Democracy, Governance and Human Rights*, Programme Paper Number 23, United Nations Research Institute for Social Development, Available at: [http://www.unrisd.org/UNRISD/website/document.nsf/240da49ca467a53f80256b4f005ef245/8e6fc72d6b546696c1257123002fcceb/\\$FILE/KapMeht.pdf](http://www.unrisd.org/UNRISD/website/document.nsf/240da49ca467a53f80256b4f005ef245/8e6fc72d6b546696c1257123002fcceb/$FILE/KapMeht.pdf), Accessed: 19.04.2013
- O. Agarwal and T. Somanathan, (2005) ‘*Public Policy Making in India: Issues and Remedies*’, Available at: [http://www.cprindia.org/admin/paper/Public\\_Policy\\_Making\\_in\\_India\\_14205\\_TV\\_SOMANA\\_THAN.pdf](http://www.cprindia.org/admin/paper/Public_Policy_Making_in_India_14205_TV_SOMANA_THAN.pdf), Accessed: 19.04.2013
- Debroy, (2001) ‘Why we need law reform’ *Seminar* January.
- P. Mehta, ‘India’s Unlikely Democracy: The Rise of Judicial Sovereignty’, *Journal of Democracy*, Vol. 18(2), pp.70-83.
- Government link: <http://loksabha.nic.in/>; <http://rajyasabha.nic.in/>; <http://mpa.nic.in/>
- K. Sanyal, (2011) *Strengthening Parliamentary Committees* PRS, Centre for Policy Research, New Delhi, Available at: <http://www.prsindia.org/administrator/uploads/media/Conference%202011/Strengthening%20Parliamentary%20Committees.pdf>, Accessed: 19.04.2013
- Celestine, (2011) *How to Read the Union Budget* PRS, Centre for Policy Research, New Delhi, Available at <http://www.prsindia.org/parliamenttrack/primers/how-to-read-theunion-budget-1023/>, Accessed: 19.04.2013
- G. Rose, (2005) ‘How to Be a Media Darling: There's No getting Away From It’, *State Legislatures*, Vol. 31(3).
- N. Jayal and P. Mehta (eds), (2010) *The Oxford Companion to Politics in India*, Oxford University Press: New Delhi, (2007) *India's Politics*, New Delhi: Penguin.



- Initiating Discussion on Various Type of Debates in *Rajya Sabha*, Available at [http://rajyasabha.nic.in/rsnew/publication\\_electronic/75RS.pdf](http://rajyasabha.nic.in/rsnew/publication_electronic/75RS.pdf), Accessed: 19.04.2013.
- *Praxis of Parliamentary Committees: Recommendations of Committee on Rules* published by *Rajya Sabha*, available at: [http://rajyasabha.nic.in/rsnew/publication\\_electronic/Praxis.pdf](http://rajyasabha.nic.in/rsnew/publication_electronic/Praxis.pdf), Accessed: 19.04.2013.
- S.J. Phansalkar, *Policy Research in the Indian Context*
- N. Singh, '*Some Economic Consequences of India's Institutions of Governance: A Conceptual Framework*', Available at: [http://econ.ucsc.edu/faculty/boxjenk/wp/econ\\_conseq\\_2003\\_rev2.pdf](http://econ.ucsc.edu/faculty/boxjenk/wp/econ_conseq_2003_rev2.pdf), Accessed: 19.04.2013.
- R. Guha, (2007), *India After Gandhi*, Macmillan: New Delhi.
- *Parliamentary Procedures (Abstract Series)* published by *Lok Sabha*, Available at <http://164.100.47.132/LssNew/abstract/index.aspx>, website: [www.loksabha.nic.in](http://www.loksabha.nic.in), Accessed: 19.04.2013.
- *Committees of Lok Sabha*, Available at: [http://164.100.47.134/committee/committee\\_list.aspx](http://164.100.47.134/committee/committee_list.aspx) Accessed: 19.04.2013. *Ethics Committee of Rajya Sabha*, available at: [http://rajyasabha.nic.in/rsnew/publication\\_electronic/ethics\\_committee.pdf](http://rajyasabha.nic.in/rsnew/publication_electronic/ethics_committee.pdf), Accessed: 19.04.2013.
- *Committees of Parliament, Parliamentary Procedure, Ministry of Parliamentary Affairs*, Available at [http://mpa.nic.in/Manual/Manual\\_English/Chapter/chapter-12.htm](http://mpa.nic.in/Manual/Manual_English/Chapter/chapter-12.htm), Accessed: 19.04.2013.
- *Nomination of Members of Parliament on Committees, Councils, Boards and Commissions, etc., set up by the Government, Ministry of Parliament Affairs*, Available at [http://mpa.nic.in/Manual/Manual\\_English/Chapter/chapter-14.htm](http://mpa.nic.in/Manual/Manual_English/Chapter/chapter-14.htm), Accessed: 19.04.2013.
- *Parliamentary Procedures: Problems and Perspectives 2009* Published by *Rajya Sabha*, Available at [http://rajyasabha.nic.in/rsnew/publication\\_electronic/parl\\_procedure2009.pdf](http://rajyasabha.nic.in/rsnew/publication_electronic/parl_procedure2009.pdf), Accessed: 19.04.2013.
- *Primer on the Budget Process* published by PRS, Available at <http://www.prsindia.org/parliamenttrack/primers/the-budget-process-484/>, Accessed: 19.04.2013.
- *Background note on Financial Oversight by Parliament* published by PRS, Available at <http://www.prsindia.org/administrator/uploads/media/Conference%20note/Conference%20note%20on%20financial%20oversight.pdf>, Accessed: 19.04.2013.

- P. Keefer and S Khemani, (2009) 'When Do Legislators Pass On "Pork"? The Determinants of Legislator Utilization of a Constituency Development Fund in India', in *World Bank Policy*
- *Research Working Paper Series* 4929, pp. 1-45, Available at SSRN: <http://ssrn.com/abstract=1405160>, Accessed: 19.04.2013.
- *Parliamentary Procedures (Abstract Series)*, *Lok Sabha*, Available at <http://164.100.47.132/LssNew/abstract/process.htm>
- *Budget, Parliamentary Procedure, Ministry of Parliamentary Affairs*, available at [http://mpa.nic.in/Manual/Manual\\_English/Chapter/chapter-07.htm](http://mpa.nic.in/Manual/Manual_English/Chapter/chapter-07.htm), Accessed: 19.04.2013. <http://mpa.nic.in/mpahandbook/parlia13.pdf>

**OR**

**SEC-2: Peace and Conflict Resolution**

**Credit 02**

**SEC2T: Peace and Conflict Resolution**

**Unit-1**

International Peace and Conflict Resolution: Sources of War: International and Domestic Issues and Trends

**Unit-2**

What is Conflict: Introduction to International Conflict Resolution

**Unit-3**

International Conflict Resolution Theory: Models developed by Johan Galtung, Joseph Montville, Morton Deutsch, William Zartman, Levy Jack

**Unit-4**

Conflict resolution: Back ground of Various Peace Movements and Concepts, Principles used to resolve conflict

**Unit-5**

Cross-boarder relationships between the world's peaceful and war-torn zones (migration and information flows, economic transactions, international rules and regulations, normative concepts and political decisions)

**Unit-6**

Conflict Transformation: is Peace Possible? Resolve problems through conflict analyses and instrumentation of peace concepts

**Unit-7**

Current perspective of peace and conflict resolution: Grass-roots level perspective on war and Peace

**Suggested Readings:**



- Kriesberg, Louis, *Constructive Conflicts: From Escalation to Resolution*, Rowman & Littlefield, Maryland, 1998, pp. 58-150
- Starkey, Boyer, and Wilkenfield, *Negotiating a Complex World*. Rowman & Littlefield, Maryland, 1999, pp. 1-74
- Zartman, William (ed.), *Collapsed States: The Disintegration and Restoration of Legitimate Authority*, Reiner, Boulder, 1995, pp. 1-14 and 267-273
- Zartman, William & Touval, Saadia "International Mediation in the Post-Cold War Era", in Crocker et al., *Managing Global Chaos*, USIP, 1996, pp. 445-461
- Zartman, William, "Dynamics and Constraints in Negotiations in Internal Conflicts", in Zartman, William (ed), *Elusive Peace: Negotiating an End to Civil Wars*, The Brookings Institution, Washington, 1995, pp. 3-29
- Zartman, William (ed.), *Collapsed States: The Disintegration and Restoration of Legitimate Authority*, Reiner, Boulder, 1995, pp. 1-14 and 267-273
- Zartman, William & Touval, Saadia "International Mediation in the Post-Cold War Era", in Crocker et al., *Managing Global Chaos*, USIP, 1996, pp. 445-461
- Levy, Jack, "Contending Theories of International Conflict: A Levels-of-Analysis Approach" in Crocker et al, *Managing Global Chaos*, USIP, 1995, pp. 3-24
- Carr, Edward H., "Realism and Idealism," Richard Betts (ed), *Conflict After the Cold War*, Boston: Simon & Schuster, 1994.
- Carr, Edward H., "Realism and Idealism," Richard Betts (ed), *Conflict After the Cold War*, Boston: Simon & Schuster, 1994.
- Waltz, Kenneth N., "Structural Causes and Economic Effects," Richard Betts (ed), *Conflict After the Cold War*, Boston: Simon & Schuster, 1994.
- Hampson, Fen Osler, *Nurturing Peace*, USIP, 1996, pp. 3-25
- Galtung, Johan, *There Are Alternatives: Four Roads to Peace and Security*, Nottingham, Spokesman, 1984, pp. 162-205
- Galtung, Johan, *Peace by Peaceful Means: Peace and conflict, Development and Civilization*, Sage, London, 1996, pp. 9-114
- Galtung, Johan, *The True Worlds: A Transnational Perspective*, New York, Free Press, 1980, pp. 107-149
- Kelman, Herbert C., "Interactive Problem Solving", in Fisher, Ronald J. (ed.) *Interactive Conflict Resolution*, Syracuse University Press, 1997, pp. 56-74
- Kritz, Neil J., "The Rule of Law in the Post-conflict Phase: Building a Stable Peace", in Crocker et al, *Managing Global Chaos*, USIP, 1996, pp. 587-606

- Galtung, Johan, "The Basic Need Approach", in Human Needs: a Contribution to the Current Debate, Verlag, Cambridge, 1980, pp. 55-126
- Saunders, Harold H., A Public Peace Process: Sustained Dialogue to Transform Racial and Ethnic Conflicts, New York, 1999, pp. 1-80
- Galtung, Johan, There Are Alternatives: Four Roads to Peace and Security, Nottingham, Spokesman, 1984, pp. 162-205
- Galtung, Johan, "The Basic Need Approach", in Human Needs: a Contribution to the Current Debate, Verlag, Cambridge, 1980, pp. 55-126
- Galtung, Johan, Peace by Peaceful Means: Peace and conflict, Development and Civilization, Sage, London, 1996, pp. 9-114
- Galtung, Johan, The True Worlds: A Transnational Perspective, New York, Free Press, 1980, pp. 107-149
- Deutsch, Morton, The Resolution of Conflict: Constructive and Destructive Processes, New Haven, Yale University Press, 1973, pp. 1-123
- Galtung, Johan, Peace by Peaceful Means: Peace and conflict, Development and Civilization, Sage, London, 1996, pp. 9-114
- Zartman, William, "Dynamics and Constraints in Negotiations in Internal Conflicts", in Zartman, William (ed), Elusive Peace: Negotiating an End to Civil Wars, The Brookings Institution, Washington, 1995, pp. 3-29
- Kelman, Herbert C., "Interactive Problem Solving", in Fisher, Ronald J. (ed.) Interactive Conflict Resolution, Syracuse University Press, 1997, pp. 56-74

***Generic Elective (GE)***  
***[Interdisciplinary for other department]***

**GE-1: Nationalism in India**

**Credit 06**

**GE1T: Nationalism in India**

**I. Approaches to the Study of Nationalism in India**

Nationalist, Imperialist, Marxist, and Subaltern Interpretations

**II. Reformism and Anti-Reformism in the Nineteenth Century**

Major Social and Religious Movements in 19th century

### III. Nationalist Politics and Expansion of its Social Base

- a. Phases of Nationalist Movement: Liberal Constitutionalists, Swadeshi and the Radicals; Beginning of Constitutionalism in India
- b. Gandhi and Mass Mobilisation: Non-Cooperation Movement, Civil Disobedience Movement, and Quit India Movement
- c. Socialist Alternatives: Congress Socialists, Communists

### IV. Social Movements

- a. The Women's Question: Participation in the National Movement and its Impact
- b. The Caste Question: Anti-Brahminical Politics
- c. Peasant, Tribals and Workers Movements

### V. Partition and Independence

- a. Communalism in Indian Politics
- b. The Two-Nation Theory, Negotiations over Partition

### Suggested Readings:

- S. Bandopadhyay, (2004) *From Plassey to Partition: A History of Modern India*, New Delhi: Orient Longman, pp. 184-191
- R. Thapar, (2000) 'Interpretations of Colonial History: Colonial, Nationalist, Post-colonial', in P. DeSouza, (ed.) *Contemporary India: Transitions*, New Delhi: Sage Publications, pp. 25-36.
- S. Bandopadhyay, (2004) *From Plassey to Partition: A History of Modern India*, New Delhi: Orient Longman, pp.139-158, 234-276.
- Sen, (2007) 'The idea of Social Reform and its Critique among Hindus of Nineteenth Century India', in S. Bhattacharya, (ed.) *Development of Modern Indian Thought and the Social Sciences*, Vol. X. New Delhi: Oxford University Press.
- S. Bandopadhyay, (2004) *From Plassey to Partition: A History of Modern India*. New Delhi: Orient Longman, pp. 279-311.
- S. Sarkar, (1983) *Modern India (1885-1947)*, New Delhi: Macmillan,
- P. Chatterjee, (1993) 'The Nation and its Pasts', in P. Chatterjee, *The Nation and its Fragments: Colonial and Postcolonial Histories*. New Delhi: Oxford University Press, pp. 76-115.
- S. Bandopadhyay, (2004) *From Plassey to Partition: A history of Modern India*. New Delhi: Orient Longman, pp. 342-357, 369-381.
- G. Shah, (2002) *Social Movements and the State*, New Delhi: Sage, pp. 13-31
- Jalal, and S. Bose, (1997) *Modern South Asia: History, Culture, and Political Economy*. New Delhi: Oxford University Press, pp. 135-156.

- Nandy, (2005) *Rashtravad banam Deshbhakti* Translated by A. Dubey, New Delhi: Vani Prakashan. pp. 23-33. (The original essay in English is from A. Nandy, (1994) New Delhi: Oxford University Press, pp. 1-8.)
- Chakrabarty and R. Pandey, (2010) *Modern Indian Political Thought*, New Delhi: Sage Publications.
- P. Chatterjee, (1993) *The Nation and its Fragments: Colonial and Postcolonial Histories*, New Delhi: Oxford University Press.
- R. Pradhan, (2008) *Raj to Swaraj*, New Delhi: Macmillan (Available in Hindi).
- S. Islam, (2006) *Bharat Mein Algaovaad aur Dharm*, New Delhi: Vani Prakashan.

**OR**

**GE-1: Feminism: Theory and Practice**

**Credit 06**

**GE1T: Feminism: Theory and Practice**

**I. Approaches to understanding Patriarchy**

- Feminist theorising of the sex/gender distinction. Biologism versus social constructivism
- Understanding Patriarchy and Feminism
- Liberal, Socialist, Marxist, Radical feminism, New Feminist Schools/Traditions

**II. History of Feminism**

- Origins of Feminism in the West: France, Britain and United States of America
- Feminism in the Socialist Countries: China, Cuba and erstwhile USSR
- Feminist issues and women's participation in anti-colonial and national liberation movements with special focus on India

**III. The Indian Experience**

**(16 Lectures)**

- Traditional Historiography and Feminist critiques. Social Reforms Movement and position of women in India. History of Women's struggle in India
- Family in contemporary India - patrilineal and matrilineal practices. Gender Relations in the Family, Patterns of Consumption: Intra Household Divisions, entitlements and bargaining, Property Rights
- Understanding Woman's Work and Labour – Sexual Division of Labour, Productive and Reproductive labour, Visible - invisible work – Unpaid (reproductive and care), Underpaid and Paid work,- Methods of computing women's work , Female headed households

**Suggested Readings:**

- Geetha, V. (2002) *Gender*. Calcutta: Stree. Geetha, V. (2007) *Patriarchy*. Calcutta: Stree. Jagger, Alison. (1983) *Feminist Politics and Human Nature*. U.K.: Harvester Press, pp. 25-350.
- Ray, Suranjita. *Understanding Patriarchy*. Available at: [http://www.du.ac.in/fileadmin/DU/Academics/course\\_material/hrge\\_06.pdf](http://www.du.ac.in/fileadmin/DU/Academics/course_material/hrge_06.pdf)

- Lerner, Gerda. (1986) *The Creation of Patriarchy*. New York: Oxford University Press.
- Rowbotham, Sheila. (1993) *Women in Movements*. New York and London: Routledge, Section I, pp. 27-74 and 178-218.
- Jayawardene, Kumari. (1986) *Feminism and Nationalism in the Third World*. London: ZedBooks, pp. 1-24, 71-108, and Conclusion.
- Forbes, Geraldine (1998) *Women in Modern India*. Cambridge: Cambridge University Press, pp. 1-150.
- Eisentein, Zillah. (1979) *Capitalist Patriarchy and the Case for Socialist Feminism*. New York: Monthly Review Press, pp. 271-353.
- Funk, Nanette & Mueller, Magda. (1993) *Gender, Politics and Post-Communism*. New York and London: Routledge, Introduction and Chapter 28.
- Chaudhuri, Maiyatee. (2003) 'Gender in the Making of the Indian Nation State', in Rege, Sharmila. (ed.) *The Sociology of Gender: The Challenge of Feminist Sociological Knowledge*. New Delhi: Sage.
- Banarjee, Sikata. (2007) 'Gender and Nationalism: The Masculinisation of Hinduism and Female Political Participation', in Ghadially, Rehana. (ed.) *Urban Women in Contemporary India: A Reader*. New Delhi: Sage.
- Roy, Kumkum. (1995) 'Where Women are Worshipped, There Gods Rejoice: The Mirage of the Ancestress of the Hindu Women', in Sarkar, Tanika & Butalia, Urvashi. (eds.) *Women and the Hindu Right*. Delhi: Kali for Women, pp. 10-28.
- Chakravarti, Uma. (1988) 'Beyond the Altekarian Paradigm: Towards a New Understanding of Gender Relations in Early Indian History', *Social Scientist*, Volume 16, No. 8.
- Banerjee, Nirmala. (1999) 'Analysing Women's work under Patriarchy' in Sangari, Kumkum & Chakravarty, Uma. (eds.) *From Myths to Markets: Essays on Gender*. Delhi: Manohar.
- Gandhi, Nandita & Shah, Nandita. (1991) *The Issues at Stake – Theory and Practice in Contemporary Women's Movement in India*. Delhi: Zubaan, pp. 7-72.
- Shinde, Tarabai (1993) 'Stri-Purush Tulna', in Tharu, Susie & Lalita, K. (eds.) *Women Writing in India, 600 BC to the Present. Vol. I*. New York: Feminist Press.
- Desai, Neera & Thakkar, Usha. (2001) *Women in Indian Society*. New Delhi: National Book Trust.

## **GE2T: Contemporary Political Economy**

### **I. Approaches to Political Economy**

Classical Liberalism, Marxism, Welfarism, Neo-liberalism and Gandhian approach

### **II. Capitalist Transformation**

- a. European Feudalism and Transition to Capitalism
- b. Globalization: Transnational Corporations, World Trade Organization, Non-governmental Organizations (their role in development)

### **III. Issues in Development**

- I. Culture: Media and Television
- II. Big Dams and Environmental Concerns
- III. Military: Global Arms Industry and Arms Trade
- IV. Knowledge Systems

### **IV. Globalization and Development Dilemmas**

- I. IT revolution and Debates on Sovereignty
- II. Gender
- III. Racial and Ethnic Problems
- IV. Migration

### **Suggested Readings :**

- Arblaster, A. (2006) 'The Rise and Decline of Western Liberalism' in Lal, D. *Reviving the Invisible Hand: The Case for Classical Liberalism in the Twentyfirst Century*. Princeton: Princeton University Press, pp. 1- 8, 17- 30, and 48- 51.
- Mandel, E. (1979) *An Introduction to Marxist Economic Theory*. New York: Pathfinder Press, 3rd print, pp. 3-73.
- Kersbergen, K.V. and Manow, P. (2009) *Religion, Class Coalition and Welfare State*. Cambridge: Cambridge University Press, chapters 1 and 10, pp. 1-38; 266-295
- Andersen, J. G. (ed.) (2008) 'The Impact of Public Policies' in Caramani, D *Comparative Politics*. Oxford: Oxford University Press, ch 22, pp. 547- 563 .
- Harvey, D. (2005) *A Brief History of Neo-liberalism*. Oxford: Oxford University Press, pp. 1-206.
- Ghosh, B.N. (2007) *Gandhian Political Economy: Principles, Practice and Policy*. Ashgate Publishing Limited, pp. 21- 88.
- Phukan, M. (1998) *The Rise of the Modern West: Social and Economic History of Early Modern Europe*. Delhi: Macmillan India, (ch.14: Transition from Feudalism to Capitalism), pp. 420- 440.
- Gilpin, R. (2003) *Global Political Economy: Understanding the International Economic Order*. Hyderabad: Orient Longman, pp. 278- 304.



- Kennedy, P. (1993) *Preparing for the Twentieth Century*. UK: Vintage, Ch. 3
- Gelinas, J. B. (2003) *Juggernaut Politics- Understanding Predatory Globalization*. Halifax, Fernwood, Ch.3. Available from: [www.globalpolicy.org](http://www.globalpolicy.org)
- Gilpin, R. (2003) *Global Political Economy: Understanding the International Economic Order*. Hyderabad: Orient Longman, Ch. 8, pp. 196- 233.
- Prasad, K. (2000) *NGOs and Social-economic Development Opportunities*. New Delhi: Deep & Deep, ch. 1, 2, 3, 5.
- Fisher, J. (2003) *Non-governments – NGOs and the Political Development in the Third World*. Jaipur: Rawat, ch. 1, 4, 6.81
- Media and Television Mackay, H. (2004) ‘The Globalization of Culture’ in Held, D. (ed.) *A Globalizing World? Culture, Economics and Politics*. London: Routledge, pp. 47- 84
- Tomlinson, J. (2004) ‘Cultural Imperialism’ in Lechner, F. J and Boli, J. (eds.) *The Globalization Reader*. Oxford: Blackwell, pp. 303- 311.
- Lechner, F. J and Boli, J. (eds.) (2004) *The Globalization Reader*. Oxford: Blackwell, pp. 361- 376 and 398- 404.
- Held, D. and Mcrew, A. (eds.) (2000) *The Global Transformations Reader*. Cambridge: Polity Press, pp. 374- 386.
- Singh, S. (1997) *Taming the Waters: The Political Economy of Large Dams in India*. New Delhi: Oxford University Press, pp. 133- 163, 182- 203, 204- 240.
- Kesselman, M. (2007) *The Politics of Globalization*. Boston: Houghton Mifflin Company, pp. 330- 339.
- Marglin, S. (1990) ‘Towards the Decolonisation of the Mind’ in Marglin, S. and Marglin, F. A. (eds.) *Dominating Knowledge: Development, Culture and Resistance*. Oxford: Oxford University Press, pp. 1- 28.
- L. Lechner, F. J and Boli, J. (eds.) (2004) *The Globalization Reader*. Oxford: Blackwell, pp. 211- 244.
- Held, D. and Mcrew, A. (eds.) (2000) *The Global Transformations Reader*. Cambridge: Polity Press, pp. 105-155.
- Omahe, K. (2004) ‘The End of the Nation State’, L. Lechner, F. J and Boli, J. (eds.) *The Globalization Reader*. Oxford: Blackwell, ch. 29.
- Glen, J. (2007) *Globalization: North-South Perspectives*. London: Routledge, ch.6.
- Sen, A. (2006) *Identity and Violence: Illusion and Destiny*. London: Penguin/Allen Lane, ch.7, pp. 130-148.

- Berkovitch, N. (2004) 'The Emergence and Transformation of the International Women's Movements' in L. Lechner, F. J and Boli, J. (eds.) *The Globalization Reader*. Oxford: Blackwell, ch.31, pp. 251- 257.
- Steans, J. (2000) 'The Gender Dimension' in Held, D. and Mcrew, A. (eds.), *The Global Transformations Reader*. Cambridge: Polity Press, ch.35, pp. 366- 373.
- Tickner, J. A. (2008) 'Gender in World Politics' in Baylis, J., Smith, S. & Owens, P. (eds.) *Globalization of World Politics*, 4th edn., New Delhi: Oxford University Press, ch.15.
- Kesselman, M. and Krieger, J. (2006) *Readings in Comparative Politics: Political Challenges and Changing Agendas*. Boston: Houghton Mifflin Company, pp. 243-254 and 266- 276.
- Arya, S. and Roy, A. (eds.) *Poverty Gender and Migration*. New Delhi: Sage, Ch. 1
- Kesselman, M. (2007) *The Politics of Globalization*. Boston: Houghton Mifflin Company, pp. 450- 462.
- Nayyar, D. (ed.) (2002) *Governing Globalization*. Delhi: OUP, pp. 144- 176.

**OR**

**GE-2 : Governance: issues and challenges**

**Credit 06**

**GE2T : Governance: issues and challenges**

**1. Government and governance: concepts**

Role of State in the Era of Globalisation

State, Market and Civil Society

**2. Governance and development**

Changing Dimensions of Development Strengthening Democracy through Good Governance

**3. Environmental governance**

Human-Environment Interaction

Green Governance: Sustainable Human Development

**4. Local governance**

Democratic decentralisation

People's Participation in Governance

**5. Good governance initiatives in india: best practices**

- Public Service Guarantee Acts
- Electronic Governance



- Citizens Charter & Right to Information
- Corporate Social Responsibility

### Suggested Readings :

- Chakrabarty and M. Bhattacharya, (eds.) *The Governance Discourse*. New Delhi: Oxford University Press, 1998
- Surendra Munshi and Biju Paul Abraham [eds.] , *Good Governance, Democratic Societies And Globalisation*, Sage Publishers, 2004
- United Nation Development Programme , *Reconceptualising Governance*, New York, 1997
- Carlos Santiso, *Good Governance and Aid Effectiveness: The World Bank and Conditionality* Johns Hopkins University, The Georgetown Public Policy Review , Volume VII, No.1, 2001
- Vasudha Chotray and Gery Stroker , *Governance Theory: A Cross Disciplinary Approach* , Palgrave Macmillan ,2008
- J. Rosenau, ‘Governance, Order, and Change in World Politics’, in J. Rosenau, and E. Czempiel (eds.) *Governance without Government: Order and Change in World Politics*, Cambridge: Cambridge University Press ,1992
- Nayar (ed.), *Globalization and Politics in India*. Delhi: Oxford University Press, 2007 pp. 218-240.
- Smita Mishra Panda , *Engendering Governance Institutions: State, Market And Civil Society*, Sage Publications,2008
- Neera Chandhoke, *State And Civil Society Explorations In Political Theory* , Sage Publishers,1995
- C. Smith, *Good Governance and Development*, Palgrave, 2007
- World Bank Report, *Governance And Development*, 1992
- P. Bardhan, ‘Epilogue on the Political Economy of Reform in India’, in *The Political Economy of Development in India*. 6th edition, Delhi: Oxford University Press, 2005
- J. Dreze and A. Sen, *India: Economic Development and Social Opportunity*. New Delhi: Oxford University Press, 1995
- Niraja Gopal Jayal[ed.], *Democracy in India*, Oxford University Press, 2007
- Ramachandra Guha, *Environmentalism: A Global History*, Longman Publishers, 1999

- J.P. Evans, *Environmental Governance*, Routledge , 2012
- Emilio F. Moran, *Environmental Social Science: Human - Environment interactions and Sustainability*, Wiley-Blackwell, 2010
- Burns H Weston and David Bollier, *Green Governance: Ecological Survival, Human Rights, and the Law of the Commons*, Cambridge University Press, 2013
- Bina Agarwal, *Gender And Green Governance* , Oxford University Press, Oxford, 2013
- J. Volger, 'Environmental Issues', in J. Baylis, S. Smith and P. Owens (eds.) *Globalization of World Politics*, New York: Oxford University Press, 2011, pp. 348-362.
- Heywood, *Global Politics*, New York: Palgrave, 2011, pp. 383-411.
- N. Carter, *The Politics of Environment: Ideas, Activism, Policy*, Cambridge: Cambridge University Press, 2007, pp. 13-81.
- Pranab Bardhan and Dilip Mookherjee, *Decentralization And Local Governance In Developing Countries: A Comparative Perspective*, MIT Press, 2006
- T.R. Raghunandan, *Decentralization And Local Governments: The Indian Experience, Readings On The Economy, Polity And Society*, Orient Blackswan, 2013
- Pardeep Sachdeva, *Local Government In India*, Pearson Publishers, 2011
- P. de Souza, (2002) 'Decentralization and Local Government: The Second Wind of Democracy in India', in Z. Hasan, E. Sridharan and R. Sudarshan (eds.) *India's Living Constitution: Ideas, Practices and Controversies*, New Delhi: Permanent Black, 2002
- Mary John, 'Women in Power? Gender, Caste and Politics of Local Urban Governance', in *Economic and Political Weekly*, Vol. 42(39), 2007
- Niraja Gopal Jayal , *Democracy and the State: Welfare, Secularism, and Development in Contemporary India*, Oxford University Press, 1999
- Reetika Khera[ed.], *The Battle for Employment Guarantee*, Oxford University Press, 2011
- Nalini Juneja, *Primary Education for All in the City of Mumbai: The Challenge Set By Local Actors'* , International Institute For Educational Planning, UNESCO : Paris, 2001
- Maxine Molyneux and Shahra Razavi , *Gender, Justice, Development, and Rights* , Oxford University Press, 2002

- Jugal Kishore, *National Health Programs of India: National Policies and Legislations*, Century Publications, 2005
- Jean Drèze and Amartya Sen, *India, Economic Development and Social Opportunity*, Oxford University Press, 1995
- K. Lee and Mills, *The Economic Of Health In Developing Countries*, Oxford University Press, 1983
- Marmar Mukhopadhyay and Madhu Parhar (eds.) *Education in India: Dynamics of Development*, Shipra Publications, 2007
- K. Vijaya Kumar, *Right to Education Act 2009: Its Implementation as to Social Development in India*, Akansha Publishers, 2012
- Amartya Sen and Jean Dreze, *Omnibus: Poverty and Famines, Hunger and Public Action, India- Economic Development and Social Opportunity*, Oxford University Press, 1998
- Jean Dreze and Amartya Sen, *An Uncertain Glory: India And Its Contradictions*, Princeton University Press, 2013
- Reetika Khera- *Rural Poverty And Public Distribution System*, EPW, Vol- XLVIII, No.45-46, Nov 2013
- Pradeep Chaturvedi , *Women And Food Security: Role Of Panchayats* , Concept Publishing House, 2002
- Bidyut Mohanty, “Women, Right to Food and Role of Panchayats”, *Mainstream*, Vol. LII, No. 42, October 11, 2014
- Crowther, *Corporate Social Responsibility*, Deep and Deep Publishers, 2008 Sanjay K. Agarwal, *Corporate Social Responsibility in India*, Sage Publishers, 2008
- Pushpa Sundar, *Business & Community: The Story of Corporate Social Responsibility in India*, New Delhi: Sage Publications, 2013

### **GE-3: Gandhi and the Contemporary World**

**Credit 06**

### **GE3T: Gandhi and the Contemporary World**

#### **I. Gandhi on Modern Civilization and Ethics of Development**

- a. Conception of Modern Civilisation and Alternative Modernity
- b. Critique of Development: Narmada Bachao Andolan

#### **II. Gandhian Thought: Theory and Action**

- a. Theory of Satyagraha
- b. Satyagraha in Action
  - i. Peasant Satyagraha: Kheda and the Idea of Trusteeship

- ii. Temple Entry and Critique of Caste
- iii. Social Harmony: 1947 and Communal Unity

### III. Gandhi's Legacy

- a) Tolerance: Anti - Racism Movements (Anti - Apartheid and Martin Luther King)
- b) The Pacifist Movement
- c) Women's Movements
- d) *Gandhigiri*: Perceptions in Popular Culture

### IV. Gandhi and the Idea of Political

- a) Swaraj
- b) Swadeshi

### Suggested Readings :

- Parekh, (1997) 'The Critique of Modernity', in *Gandhi: A Brief Insight*, Delhi: Sterling Publishing Company, pp. 63-74.
- K. Ishii, (2001) 'The Socio-economic Thoughts of Mahatma Gandhi: As an Origin of Alternative Development', *Review of Social Economy*. Vol. 59 (3), pp. 297-312.
- Hardiman, (2003) 'Narmada Bachao Andolan', in *Gandhi in his Time and Ours*. Delhi: Oxford University Press, pp. 224- 234.
- A Baviskar, (1995) 'The Politics of the Andolan', in *In the Belly of the River: Tribal Conflict Over Development in the Narmada Valley*, Delhi: Oxford University Press, pp.202-228.
- R Iyer, (ed) (1993) 'Chapter 4' in *The Essential Writings of Mahatma Gandhi*, New Delhi: Oxford University Press.
- R. Ramashray, (1984) 'Liberty Versus Liberation', in *Self and Society: A Study in Gandhian Thought*, New Delhi: Sage Publication.
- Parekh, (1997) 'Satyagrah', in *Gandhi: A Brief Insight*, Delhi: Sterling Publishing Company, pp. 51-63.
- Dalton, (2000) 'Gandhi's originality', in A. Parel (ed) *Gandhi, Freedom and Self-Rule*, New Delhi: Lexington Books, pp.63-86.
- Hardiman, (1981) 'The Kheda Satyagraha', in *Peasant Nationalists of Gujarat: Kheda District, 1917-1934*, Delhi: Oxford University Press, pp. 86-113.
- J. Brown, (2000) 'Gandhi and Human Rights: In search of True humanity', in A. Parel (ed) *Gandhi, Freedom and Self-Rule*, New Delhi: Lexington Books, pp. 93-100.
- R. Iyer, (2000) 'Chapter 10 and 11', in *The Moral and Political Thought of Mahatma Gandhi*, New Delhi: Oxford University Press, pp. 251-344
- Knudegaard, (2010), *Gandhi's Vision for Indian Society: Theory and Action*, Master Thesis in History, University of Oslo, Available at [https://docs.google.com/viewer?a=v&q=cache:Eqj9br1n3\\_oJ:https://www.duo.uio](https://docs.google.com/viewer?a=v&q=cache:Eqj9br1n3_oJ:https://www.duo.uio).

no/bitstream/handle/123456789/23275/IngridxKnudegaardxmasteroppdavexixhist  
orie.pdf?sequence%3D1+gandhi+and+temple+entry&hl=en&gl=in&pid=bl&srcid  
=ADGEESiKGssA7q2z1kxiuitm3bciHPh\_HI3chWKbJIVo9HE4LcWCLmKdKX  
CirPaIzh7Tp47fyoBQIHx9GUesefn8YCAQeaQSKMRdrwvYT2Q8c7XV95tQhS  
GuO9bNCGEdlYGoBjzoVdJc&sig=AHIEtbQ78zwxGvh92AnwmRHiA7t2wWX  
XJQ, Accessed: 14.04.2013, pp.27-38.

- P. Rao, (2009) 'Gandhi, Untouchability and the Postcolonial Predicament: A Note'. *Social Scientist*. Vol. 37 (1/2). Pp. 64-70.
- B. Parekh, (1999) 'Discourse on Unsociability', in *Colonialism, Tradition and Reform: An Analysis of Gandhi's Political Discourse*, New Delhi: Sage Publication.
- Hardiman, (2003) 'Fighting Religious Hatreds', in *Gandhi in His Time and Ours*. Delhi:Oxford University Press.
- Hardiman, (2003) 'Gandhi's Global Legacy', in *Gandhi in His Time and Ours*. Delhi: OxfordUniversity Press, pp. 238-283.
- Manimala, (1984) 'Zameen Kenkar? Jote Onkar: Women's participation in the Bodhgaya struggles', in M. Kishwar and R. Vanita (eds) *In Search of Answers: Indian Women's Voices from Manushi*, London: Zed Press.
- M. Shah, (2006) 'Gandhigiri; A Philosophy of Our Times', *The Hindu* Available at <http://www.hindu.com/2006/09/28/stories/2006092802241000.htm>, Accessed: 14.04.2013.
- Ghosh and T. Babu, (2006) 'Lage Raho Munna Bhai: Unravelling Brand 'Gandhigiri'', *Economic and Political Weekly*, 41 (51), pp. 5225 – 5227.
- H. Trivedi (2011) 'Literary and Visual Portrayal of Gandhi', in J Brown and A Parel (eds) *Cambridge Companion to Gandhi*, Cambridge University Press 2011, pp. 199-218.
- P. Chatterjee, (1986) 'The Moment of Maneuver', in *Nationalist Thought and the Colonial World: A derivative discourse?*, Delhi: Zed Books.
- Indian Council for Historical Research (1976) 'The Logic of Gandhian Nationalism: Civil Disobedience and the Gandhi – Irwin Pact, 1930-31', *Indian Historical Review*, Available at <http://www.ichrindia.org/journal.pdf>, Accessed: 18.04.2013.
- Dalton, (1996) 'Swaraj: Gandhi's Idea of Freedom', in *Mahatma Gandhi: Selected Political Writings*, USA: Hackett Publishing, pp. 95-148.
- Parel (ed.) (1997) 'Editor's Introduction', in *Gandhi, Hind Swaraj and Other Writings* Cambridge: Cambridge University Press.

- Baviskar, (1995) 'National Development, Poverty and the environment', in *In the Belly of the River: Tribal Conflict Over Development in the Narmada Valley*, Delhi: Oxford University Press, pp. 18-33.
- Parekh, (1997) 'Religious Thought', in *Gandhi: A Brief Insight*, Delhi: Sterling Publishing Company.
- R. Iyer, (1993) *The Essential Writings of Mahatma Gandhi*, New Delhi: Oxford University Press, pp. 299-344; 347-373.
- S. Sarkar, (1982) *Modern India 1885-1947*, New Delhi: Macmillan, pp. 432-39.
- R. Iyer, (2001) *The Moral and Political Thought of Mahatma Gandhi*, New Delhi: Oxford University Press. pp. 344-358.
- H. Coward, (2003) 'Gandhi, Ambedkar, and Untouchability', in H. Coward (ed) *Indian Critiques of Gandhi*, New York: State University of New York Press, pp. 41-66.
- J. Lipner, (2003) 'A Debate for Our Times', in Harold Coward (ed) *Indian Critiques of Gandhi*, New York: State University of New York Press, pp. 239-58
- M. Gandhi, (1941) 'Chapter 1, 2, 9, 15, and 16', in *Constructive Programme: Its Meaning and Place*, Ahmedabad: Navjivan Trust.
- R. Terchek, (1998) *Gandhi: Struggling for Autonomy*, USA: Rowman and Littlefield Publishers.
- N. Dirks, (2001), 'The Reformation of Caste: Periyar, Ambedkar and Gandhi', in *Castes of Mind: Colonialism and the making of Modern India*, Princeton: Princeton University Press.
- R. Mukharjee, (ed) (1995), *The Penguin Gandhi Reader*, New Delhi: Penguin.
- T. Weber, (2006) 'Gandhi is dead, Long live Gandhi- The Post Gandhi Gandhian Movement in India', in *Gandhi, Gandhism and the Gandhians*, New Delhi: Roli.
- Taneja, (2005) *Gandhi Women and the National Movement 1920-1947*, New Delhi: Haranand Publishers.
- J. Brown, (2008) *Gandhi and Civil Disobedience: The Mahatma in Indian Politics*, Cambridge: Cambridge University Press, 2008
- R. Ramashray, (1984) 'What Beyond the Satanic Civilization?', in *Self and Society: A Study in Gandhian Thought*, New Delhi: Sage Publication.

## Activities

### Topic 1



1. Reading of primary texts:- M K Gandhi Chapter VI and XIII “ Hind Swaraj” Navjeevan Trust, Ahmedabad, 1910
2. A site visit to any on-going developmental project preferably in NCT Delhi by students and submission of report on Environmental law Violation and Resistance by People in a Gandhian Way.

**Topic 2**

1. Reading of primary texts:- M K Gandhi Chapter XII&XIII, “ Satyagraha in South Africa, Navjivan Trust, Ahmmedabad, 1928, pp. 95-107
2. A Report followed by presentation on functioning of Cooperative and Community engagement for example Amuland/or SEWA in Gujarat to understand Trusteeship and its relevance

**Topic 3**

1. Movie Screenings (Movies like Lage Raho Munna Bhai, Gandhi by Richard Attenborough and Student’s Participation in reviewing/discussing the movie from a Gandhian perspective or Cultural engagement of Students with Gandhian Ideas through Staging of a street play.

**Topic 4**

Student Visit to Any Gandhian Institution in Delhi like, Gandhi Darshan and Smiriti to understand on-going Gandhian work and programme and interacting with Gandhian activists.

**OR**

**GE-3: Understanding Ambedkar**

**Credit 06**

**GE3T: Understanding Ambedkar**

**I. Introducing Ambedkar**

Approach to Study Polity, History, Economy, Religion and Society

**II. Caste and Religion**

- a. Caste, Untouchability and Critique of Hindu Social Order
- b. Religion and Conversion

**III. Women’s Question**

- a. Rise and Fall of Hindu Women
- b. Hindu Code Bill

**IV. Political Vision**

- a. Nation and Nationalism
- b. Democracy and Citizenship

**V. Constitutionalism**

- a. Rights and Representations
- b. Constitution as an Instrument of Social Transformation

**VI. Economy and Class Question**

- a. Planning and Development

- b. Land and Labor
- c. Students Presentations

**a. Format for Student Presentations**

- 1) Five presentations on any original writing/speeches by B. R Ambedkar can be used by the students for presentations (Preferably other than compulsory writings that has been suggested in the reading list)
- 2) Six Presentations on the different issues concerned to Ambedkar's works and their relevance in contemporary India. (Preferably other than compulsory writings that has been suggested in the reading list)
- 3) One Presentation on Critical understanding on Ambedkar's Ideas.

**b. References for Students' Presentations:**

- 1) Babasaheb Ambedkar, Writings and Speeches, 22 Volumes (Available on [www.ambedkar.org](http://www.ambedkar.org))
- 2) Narendra Jadhav, Ambedkar Spoke, 3 Volumes
- 3) Any other related audio-visual source

**Suggested Readings:**

- G. Omvedt, (2008) 'Phule-Remembering The Kingdom of Bali', Seeking Begumpura Navyana, pp. 159-184.
- M. Gore, (1993) *The Social Context of an Ideology: Ambedkar's Political and Social Thought*, Delhi: Sage Publication, pp. 73-122 ; 196-225.
- Ambedkar, (1989) 'Annihilation of Caste with a Reply to Mahatma Gandhi', in *Dr. Babasaheb Ambedkar Writings and Speeches: Vol. 1*, Education Deptt., Government of Maharashtra, Mumbai, pp. 23-96.
- E. Zelliott, (1996) 'From Untouchable to Dalit: Essays on the Ambedkar Movement', in *The Leadership of Babasaheb Ambedkar*, Delhi: Manohar, pp. 53-78.
- G. Omvedt, *Liberty Equality and Community: Dr. Ambedkar's Vision of New Social Order*, Available at <http://www.ambedkar.org/research/LibertyEquality.htm>, Accessed: 19.04.2013.
- *The Untouchables Who were they and why they become Untouchables?*, Available at [http://www.ambedkar.org/ambcd/39A.Untouchables%20who%20were%20they\\_why%20they%20became%20PART%20I.htm](http://www.ambedkar.org/ambcd/39A.Untouchables%20who%20were%20they_why%20they%20became%20PART%20I.htm), Accessed: 18.04.2013.
- Ambedkar, (1987) 'The Hindu Social Order: Its Essential Principles', in *Dr. Babasaheb Ambedkar Writings and Speeches: Vol. 3*, Education Deptt., Government of Maharashtra, 1989, pp. 95-129.
- Ambedkar, (2003) 'What way Emancipation?', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-III*, Education Deptt., Government of Maharashtra, Mumbai, pp-175-201. Additional Readings:



- Ambedkar, (1987) 'Philosophy of Hinduism', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 3*, Education Deptt., Government of Maharashtra, Mumbai, pp-3-92.
- Zelliott, (2013) 'Ambedkar's World: The Making of Babasaheb and the Dalit Movement', in *The Religious Conversion Movement-1935-1956*, Delhi, pp. 143-173.
- S. Rege, (2013) 'Against the Madness of Manu', in *B. R. Ambedkar's Writings on Brahmanical Patriarchy*, Navyana Publication, pp. 13-59 ; 191-232.
- Ambedkar, (2003) 'The Rise and Fall of Hindu Woman: Who was Responsible for It?', in *Dr. Babasaheb Ambedkar Writings and Speeches Vol. 17- II*, Education Deptt., Government of Maharashtra, Mumbai, pp. 109-129.
- Ambedkar, (1987) 'The Women and the Counter-Revolution', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 3*, Education Deptt., Government of Maharashtra, Mumbai, pp. 427-437.
- P. Ramabai , (2013), *The High Caste Hindu Woman*, Critical Quest, Delhi.
- B. Ambedkar, (1991) 'What Gandhi and Congress have done to the Untouchables', in *Dr. Babasaheb Ambedkar Writings and Speeches*, Education Deptt, Government of Maharashtra, Vol.9, pp. 40-102; 181-198; 274-297.
- B. Ambedkar, (2003) 'Conditions Precedent for the successful working of Democracy', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-III*, Education Deptt, Government of Maharashtra, Mumbai, pp. 472-486.
- G. Aloysius, (2009). *Ambedkar on Nation and Nationalism*, Critical Quest, Delhi.
- B. R. Ambedkar, (2003), 'I have no Homeland', in *Dr. Babasaheb Ambedkar Writings and Speeches Vol- 17*, Education Deptt., Government of Maharashtra, Mumbai, pp-51-58.

### **Additional Readings:**

- B. Ambedkar, (2003), 'Role of Dr. B. R. Ambedkar in Bringing The Untouchables on the Political Horizon of India and Lying A Foundation of Indian Democracy', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-I*, Education Deptt., Government of Maharashtra, Mumbai, pp-63-178.
- B. Ambedkar, (2003) 'Buddhism paved way for Democracy and Socialistic Pattern of Society', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-III*, Education Deptt., Government of Maharashtra, Mumbai, pp. 406-409.
- B. Ambedkar, (2003) 'Failure of Parliamentary Democracy will Result in Rebellion, Anarchy and Communism', in *Dr. Babasaheb Ambedkar Writings and*

- Speeches, Vol. 17-III*, Education Deptt., Government of Maharashtra, Mumbai, pp. 423-437.
- B. Ambedkar, (2003) 'Prospects of Democracy in India', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-III*, Education Deptt., Government of Maharashtra, Mumbai, pp. 519-523.
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  - Ambedkar, Evidence before South Borough committee on Franchise, Available at <http://www.ambedkar.org/ambcd/07.%20Evidence%20before%20the%20Southborough%20Committee.htm>, Accessed: 19.04.2013.
  - Constituent Assembly Debates, Ambedkar's speech on Draft Constitution on 4th November 1948, *CAD Vol. VII*, Lok Sabha Secretariat, Government of India, 3rd Print, pp. 31-41.
  - B. Ambedkar, (2013), *States and Minorities*, Delhi: Critical Quest.
  - Gajendran, (2007) 'Representation', in S. Thorat and Aryama (eds.), *Ambedkar in Retrospect: Essays on Economics, Politics and Society*, Delhi: Rawat Publishers, pp. 184-194.
  - Ambedkar, (2003), 'Depressed Classes against Second Chamber: Dr. Ambedkar on Joint Parliamentary Committee Report Provision for Better Representation Demanded', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-I*, Education Deptt., Government of Maharashtra, Mumbai, pp. 231-243.
  - Ambedkar, (1987) 'Buddha or Karl Marx', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 3*, Education Deptt., Government of Maharashtra, Mumbai, pp-442-462.
  - S. Thorat, (2007) 'Economic System, Development and Economic Planning', in S. Thorat and Aryama (eds), *Ambedkar in Retrospect: Essays on Economics, Politics and Society*, Delhi: Rawat Publishers, pp. 25-48.
  - B. Ambedkar, (1991) '*Labor and Parliamentary Democracy and Welfare*', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 10*, Education Deptt., Government of Maharashtra, Mumbai, pp. 106-112; 139-143; 243-252
  - B. Mungekar, (2007) 'Labour Policy' in S. Thorat and Aryama (eds), *Ambedkar in Retrospect: Essays on Economics, Politics and Society*, Delhi: Rawat Publishers, pp. 76-92.
  - R. Ram, (2010) 'Dr, Ambedkar, Neo Liberal Market-Economy and Social Democracy in India', in *Human Rights Global Focus*, Vol. V (384), pp. 12-38, Available at [www.roundtableindia.co.in](http://www.roundtableindia.co.in), Accessed: 19.04.2013.

- B. Ambedkar, (2003) 'Trade Union must Enter Politics to Protect their Interests', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 17-III*, Education Deptt, Government of Maharashtra, Mumbai, pp.174-192.
- B. Ambedkar, (1991) 'Why Indian Labour determined to War', in *Dr. Babasaheb Ambedkar Writings and Speeches, Vol. 10*, Education Deptt, Government of Maharashtra, Mumbai, pp.36-43.
- Teltumbde and S. Sen (eds), 'Caste Question in India', in *Scripting the Change, Selected Writings of Anuradha Ghandi*, pp. 62- 91.

#### **GE-4: Politics of Globalization**

**Credit 06**

#### **GE4T: Politics of Globalization**

1. Concept of Globalisation: Globalisation debate; for and against.
2. Approaches to understanding globalisation:
  - a. Liberal approach
  - b. Radical approach
3. International Institutions/Regimes
  - a. World Bank
  - b. International Monetary Fund
  - c. The World Trade Organisation
4. Issues in Globalisation: Alternative Perspectives on its nature and character, critical dimensions: economic, political and cultural
5. Globalisation and democracy: State, sovereignty and the civil society.
6. Globalisation and Politics in developing countries
  - a. Globalisation and social movements
  - b. Globalisation and the demise of Nation State
  - c. Globalisation and human migration
7. The inevitability of globalisation: Domestic and Global responses

#### **Suggested Reading:**

- Anthony Giddens, *The Globalizing of Modernity*.
- Arjun Appadurai, *Modernity at Large: Cultural Dimensions of Globalisation*, University of Minnesota Press, 1996.
- David E. Korten, Niconor Perlas and Vandana Shiva (ed.), *International Forum of Globalisation*.
- Deepak Nayyar (ed.) *Governing Globalisation: Issues and Institutions*, Oxford University Press, 2002.
- Held, David and Anthony Mc grew (ed.), *The Global Transformation Reader: An introduction to the Globalisation Debate*, 2nd Cambridge, Polity Press, Blackwell Publishing.
- Jagdish Bhagwati, *In defense of Globalisation*, Oxford University Press, 2004.
- John Stopford, *Multinational Corporations, Foreign Policy*, Fall, 1998
- Joseph E Stiglitz, *Globalisation and its discontents*.
- Keohane Rebert and Joseph S. Nye Jr., *Globalisation: What is new, what is not*.

- Kofi Annan, The politics of Globalisation,
- Marc Lindenberg and Coralie Bryant, Going Global: Transforming Relief and Development NGOs, Bloomfield, Kumarian Press.
- Noreena Hertz, The silent take over: Global Capitalism and the death of Democracy, Praeger, 2000.
- Nye Joseph S and John D. Donanu (ed.) Governance in a Globalizing World, Washington dc, Brookings.
- Nye Jr. Joseph S, Globalisation and American Power.
- Pilpin Robert, The National State in the Global Economy.
- Samuel Huntington, The clash of Civilizations and the Remaking of world order.
- Stanley Hoffman, Clash of civilizations,
- Tyler Cowen, Creative Destruction: How Globalisation is changing the world's culture, New Jersey, Princeton University Press, 2000.
- Brahis John and Steeve Smith (ed.) The Globalisation of World Politics: An Introduction to International Relations, Oxford University Press, 2001.
- John Clark (ed.), Globalising Civic Engagement: Civil Society and Transnational Action, London, Earthscan, 2003.
- Sanjeev Khagram, James Riker and Korthru Sikkink (ed.) Restructuring World Politics: Transnational Social Movements, MN, University of Minnesota Press, 2002.
- Bernard Hoelkman and Michel Kostecki, the Political Economy of the World Trading System: From GATT to WTO, New York, OUP,

**OR**

**GE-4: United Nations and Global Conflicts**

**Credit 06**

**GE4T: United Nations and Global Conflicts**

**I. The United Nations**

- (a) An Historical Overview of the United Nations
- (b) Principles and Objectives
- (c) Structures and Functions: General Assembly; Security Council, and Economic and Social Council; the International Court of Justice and the specialised agencies (International Labour Organisation [ILO], United Nations Educational, Scientific and Cultural Organisation [UNESCO], World Health Organisation [WHO], and UN programmes and funds: United Nations Children's Fund [UNICEF], United Nations Development Programme [UNDP], United Nations Environment Programme [UNEP], United Nations High Commissioner for Refugees [UNHCR])
- (d) Peace Keeping, Peace Making and Enforcement, Peace Building and Responsibility to Protect
- (e) Millennium Development Goals

**II. Major Global Conflicts since the Second World War**

- (a) Korean War
- (b) Vietnam War

- (c) Afghanistan Wars
- (d) Balkans: Serbia and Bosnia

### **III. Assessment of the United Nations as an International Organisation: Imperatives of Reforms and the Process of Reforms**

#### **Suggested Readings:**

- Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp. 39-62.
- Goldstein, J. and Pevehouse, J.C. (2006) *International relations*. 6th edn. New Delhi: Pearson, pp. 265-282.
- Taylor, P. and Groom, A.J.R. (eds.) (2000) *The United Nations at the millennium*. London: Continuum, pp. 1-20.
- Gareis, S.B. and Varwick, J. (2005) *The United Nations: an introduction*. Basingstoke: Palgrave, pp. 1-40.
- Gowan, P. (2010) 'US: UN', in Gowan, P. 'A calculus of power: grand strategy in the twentyfirst century'. London: Verso, pp. 47-71.
- Baylis, J. and Smith, S. (eds.) (2008) *The globalization of world politics. an introduction to international relations*. 4th edn. Oxford: Oxford University Press, pp. 405-422.
- Thakur, R. (1998) 'Introduction', in Thakur, R. (eds.) *Past imperfect, future uncertain: The UN at Ffifty*. London: Macmillan, pp. 1-14.
- Basu, Rumki (2014) *United Nations: Structure and Functions of an international organization*, New Delhi, Sterling Publishers
- Gareis, S.B. and Varwick, J. (2005) *The United Nations: An introduction*. Basingstoke: Palgrave, pp. 15-21.
- Taylor, P. and Groom, A.J.R. (eds.) (2000) *The United Nations at the millennium*. London: Continuum, pp. 21-141.
- Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp. 119-135.
- Nambiar, S. (1995) 'UN peace-keeping operations', in Kumar, S. (eds.) *The United Nations at fifty*. New Delhi, UBS, pp. 77-94.
- Whittaker, D.J. (1997) 'Peacekeeping', in *United Nations in the contemporary world*. London: Routledge, pp. 45-56.
- White, B. et al. (eds.) (2005) *Issues in world politics*. 3rd edn. New York: Macmillan, pp. 113- 132.

- Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp.264-266.
- Sangal, P.S. (1986) 'UN, peace, disarmament and development', in Saxena, J.N. et.al. *United Nations for a better world*. New Delhi: Lancers, pp.109-114.
- Baxi, U. (1986) 'Crimes against the right to development', in Saxena, J.N. et.al. *United Nations for a better world*. New Delhi: Lancers, pp.240-248.
- Ghali, B.B. (1995) *An agenda for peace*. New York: UN, pp.5-38.
- United Nations Department of Public Information. (2008) *The United Nations Today*. New York: UN.
- Calvocoressi, P. (2001) *World Politics: 1945-200*. 3rd edn. Harlow: Pearson Education, pp. 116-124.
- Armstrong, D., Lloyd, L. and Redmond, J. (2004) *International organisations in world politics*. 3rd edn. New York: Palgrave Macmillan, pp. 42-43.
- Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp. 64-65 and 172-173.
- Calvocoressi, P. (2001) *World Politics: 1945-200*. 3rd edn. Harlow: Pearson Education, pp. 528-546.
- Baylis, J. and Smith, S. (eds.) (2008) *The globalization of world politics. an introduction to international relations*. 4th edn. Oxford: Oxford University Press, pp. 562-564.
- Achcar, G. (2004) *Eastern cauldron*. New York: Monthly Review Press, pp. 29-45 and 234-241.
- Achcar, G. (2003) *The clash of barbarisms: Sept. 11 and the making of the new world disorder*. Kolkata: K.P. Bachi & Co., pp. 76-81.
- Prashad, V. (2002) *War against the planet*. New Delhi: Leftword, pp. 1-6. Ali, T. (ed.) (2000) *Masters of the Universe*. London: Verso, pp. 203-216.
- Calvocoressi, P. (2001) *World Politics: 1945-200*. 3rd edn. Harlow: Pearson Education, pp.570-576.
- Ali, T. (ed.) (2000) *Masters of the Universe*. London: Verso, pp. 230-245 and 271-284.
- Kaldor, M. and Vashee, B. (eds.) (1997) *New wars*. London: Wider Publications for the UN University, pp. 137-144 and 153-171.



- Viotti, P.R. and Kauppi, M.V. (2007) *International relations and world politics-security, economy, identity*. 3rd edn. New Delhi: Pearson Education, pp. 470-471.
- Goldstein, J.S. (2003) *International relations*. 3rd edn. Delhi: Pearson Education, pp 43-51
- Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp.24-27.
- Roberts, A. and Kingsbury, B. (eds.) (1994) *United Nations, Divided World*. 2nd edn. Oxford: Clarendon Press, pp. 420-436.
- Taylor, P. and Groom, A.J.R. (eds.) (2000) *The United Nations at the millennium*. London: Continuum, pp. 196-223 and 295-326.
- Gareis, S.B. and Varwick, J. (2005) *The United Nations: An introduction*. Basingstoke: Palgrave, pp. 214-242.
- Moore, J.A. Jr. and Pubantz, J. (2008) *The new United Nations*. Delhi: Pearson Education, pp. 91-112.
- Claude, I. (1984) *Swords into plowshares: the progress and problems of international organisation*. 4th edn. New York: Random House.
- Dodds, F. (ed.) (1987) *The way forward: beyond the agenda 21*. London: Earthscan.
- Rajan, M.S., Mani, V.S and Murthy, C.S.R. (eds.) (1987) *The nonaligned and the United Nations*. New Delhi: South Asian Publishers.
- South Asia Human Rights Documentation Centre. (2006) *Human rights: an overview*. New Delhi: Oxford University Press.
- Anan, K. (1997) *Renewing the United Nations: A Programme for Survival*. General Assembly Document: A/51/950; 14 July 1997. Available from: [http://daccessdds.un.org/doc/UNDOC/GEN/N97/189/79/1MG/n9718979.pdf](http://daccessdds.un.org/doc/UNDOC/GEN/N97/189/79/1MG/n9718979.pdf?OpenElement), Open Element (accessed on 13 October 2011).

**END**



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## SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014  
P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650  
[www.amdabadcollege.in](http://www.amdabadcollege.in) | Email: [sjmahavidyalaya@gmail.com](mailto:sjmahavidyalaya@gmail.com)

### 7.1.3 Integration of sustainability principles into the curriculum to foster a culture of environmental responsibility

#### SUBJECT: ZOOLOGY

Programme	Course type	Course number	Course Title	Content relating to environment and sustainability
BSc Honours	Generic Elective for Honours	GE3	Aquatic Biology	The study of the management of aquatic resources deals with these issues in great depth. Subtopics include the causes of pollution: agricultural, industrial, sewage, thermal and oil spills, Eutrophication, management and conservation (legislations), sewage treatment water quality assessment- BOD and COD.
BSc Honours	General Elective for Honours	GE4	Environment and Public Health	Sources of Environmental hazards, Hazard identification and accounting, Fate of toxic and persistent substances in the environment, Dose response evaluation, Exposure assessment. Climate Change: Greenhouse gases and global warming, Acid rain, Ozone layer destruction, Effect of climate change on public health. Pollution: air, water, noise pollution sources and effects, Pollution control.





Phone: 7908040652/7501133806

# SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014

P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650

[www.amdabadcollege.in](http://www.amdabadcollege.in) | Email: [sjmahavidyalaya@gmail.com](mailto:sjmahavidyalaya@gmail.com)

**Syllabus with issues relating to  
environment and sustainability  
identified above marked up  
(in bright pink)**

# Vidyasagar University

## Curriculum for B.Sc. Honours in Zoology

[Choice Based Credit System]

### Semester-I

Sl.No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
C1	C1T: Non- Chordates-I	Core Course-1		4	0	0	6	75
	C1P: Non- Chordates-I ( Practical)	Core Course1 [Practical]		0	0	4		
C2	C2T: Ecology	Core Course-2		4	0	0	6	75
	C2P:Ecology ( Practical)	Core Course-2 [Practical]		0	0	4		
GE-1	GE-1	GE					4/5	75
	GE-1	GE					2/1	
AECC	English	AECC					2	50
				<b>Total Credits =20</b>				

**L=Lecture, T=Tutorial, P=Practical**

**AECC- Ability Enhancement Compulsory Course:** English /Modern Indian Language.

#### **Interdisciplinary/Generic Elective (GE) from other Department**

**[Four papers are to be taken and each paper will be of 6 credits]:**

**[Papers are to be taken from any of the following discipline (GE-1 Preferably Chemistry/Physiology):Chemistry/Botany/Physiology/ComputerSc./Microbiology/Bio Technology/ Geology /Nutrition /Aquaculture Management.**

## Semester -1

### Core Courses-1

**CC-1: Non-Chordates I**

**Credits 06**

**C1T1 –Non-Chordates I**

**Credits 04**

Non-Chordates I		
	<b>4 Credits</b>	<b>Class</b>
<b>Unit 1: Basics of Animal Classification</b>		4
Definitions: Classification, Systematics and Taxonomy; Taxonomic Hierarchy, Taxonomic types Codes of Zoological Nomenclature; Principle of priority; Synonymy and Homonymy; Six kingdom concept of classification (Card woese)		
<b>Unit 2: Protista and Metazoa</b>		15
Protozoa General characteristics and Classification up to phylum (according to Levine et. al., 1981) Locomotion in <i>Euglena</i> , <i>Paramoecium</i> and <i>Amoeba</i> ; Conjugation in <i>Paramoecium</i> . Life cycle and pathogenicity of <i>Plasmodium vivax</i> and <i>Entamoeba histolytica</i> <b>Metazoa</b> Evolution of symmetry and segmentation of Metazoa		

<b>Unit 3: Porifera</b>	6
General characteristics and Classification up to classes; Canal system and spicules in sponges	
<b>Unit 4: Cnidaria</b>	10
General characteristics and Classification up to classes Metagenesis in <i>Obelia</i> & <i>Aurelia</i> Metagenesis in <i>Obelia</i> Polymorphism in Cnidaria Corals and coral reef diversity, function & conservation	
<b>Unit 5: Ctenophora</b>	2
General characteristics	
<b>Unit 6: Platyhelminthes</b>	6
General characteristics and Classification up to classes Life cycle and pathogenicity and control measures of <i>Fasciola hepatica</i> and <i>Taenia solium</i>	
<b>Unit 7: Nematoda</b>	7
General characteristics and Classification up to classes Life cycle, and pathogenicity and control measures of <i>Ascaris lumbricoides</i> and <i>Wuchereria bancrofti</i> Parasitic adaptations in helminthes	
<b>Reference Books</b>	
► Ruppert and Barnes, R.D. (2006). Invertebrate Zoology, VIII Edition. Holt Saunders International  Edition.	

► Invertebrates by Brusca & Brusca. Second edition, 2002.

**Classification for metazoans to be followed from: Rupert and Barnes, 1994, 6<sup>th</sup> Edition.**

## **C1 P1 –Non-Chordates I Lab**

**Credits 02**

### **List of Practical**

1. Study of whole mount of *Euglena*, *Amoeba* and *Paramecium*
2. Identification of *Amoeba*, *Euglena*, *Entamoeba*, *Opalina*, *Paramecium*, *Plasmodium vivax* and *Plasmodium falciparum* (from the prepared slides)
3. Identification of *Sycon*, Neptune's Cup, *Obelia*, *Physalia*, *Millepora*, *Aurelia*, *Tubipora*, *Corallium*, *Alcyonium*, *Gorgonia*, *Metridium*, *Pennatula*, *Fungia*, *Meandrina*, *Madrepora*
4. Identification and significance of adult *Fasciola hepatica*, *Taenia solium* and *Ascaris lumbricoides*
5. Staining/mounting of any protozoa/helminth from gut of cockroach

## **Core -2**

### **CC-2: Ecology**

**Credits 06**

## C2 T2 –Ecology

Credits 04

Ecology		
	4 Credits	Class
<b>Unit 1: Introduction to Ecology</b>		4
<p>History of ecology, Autecology and synecology, Levels of organization, Laws of limiting factors, Study of Physical factors, The Biosphere.</p>		
<b>Unit 2: Population</b>		20
<p>Unitary and Modular populations</p> <p>Unique and group attributes of population: Demographic factors, life tables, fecundity tables, survivorship curves, dispersal and dispersion.</p> <p>Geometric, exponential and logistic growth, equation and patterns, r and K strategies</p> <p>Population regulation - density-dependent and independent factors</p> <p>Population Interactions, Gause's Principle with laboratory and field examples, Lotka-Volterra equation for competition.</p>		
<b>Unit 3: Community</b>		11
<p>Community characteristics: species diversity, abundance, , dominance, richness, Vertical stratification, Ecotone and edge effect. Ecological succession with one example</p>		
<b>Unit 4: Ecosystem</b>		10
<p>Types of ecosystem with an example in detail, Food chain: Detritus and grazing food chains,</p>		

<p>Linear</p> <p>and Y-shaped food chains, Food web, Energy flow through the ecosystem, Ecological pyramids and</p> <p>Ecological efficiencies</p> <p>Nutrient and biogeochemical cycle with an example of Nitrogen cycle</p> <p>Human modified ecosystem</p>	
<b>Unit 5: Applied Ecology</b>	5
<p>Wildlife Conservation (in-situ and ex-situ conservation).</p> <p>Management strategies for tiger conservation; Wild life protection act (1972)</p>	

### Reference Books

- ▶ Krebs, C. J. (2001). Ecology. VI Edition. Benjamin Cummings.
- ▶ Odum, E.P., (2008). Fundamentals of Ecology. Indian Edition.
- ▶ Brooks/Cole Robert Leo Smith Ecology and field biology
- ▶ Harper and Row publisher
- ▶ Ecology: Theories & Application (2001). 4th Edition by Peter Stilling.
- ▶ Ecology by Cain, Bowman & Hacker. 3rd edition. Sinauer associates

**List of Practical**

1. Study of life tables and plotting of survivorship curves of different types from the hypothetical/real data provided
2. Determination of population density in a natural/hypothetical community by quadrat method and calculation of Shannon-Weiner diversity index for the same community
3. Study of an aquatic ecosystem: Phytoplankton and zooplankton, Measurement of area, temperature, turbidity/penetration of light, determination of pH, and Dissolved Oxygen content (Winkler's method), Chemical Oxygen Demand and free CO<sub>2</sub>
4. Report on a visit to National Park/Biodiversity Park/Wild life sanctuary

Note: In field report costal area to be included.



## Generic Elective Syllabus

### GE-1 [Interdisciplinary for other department]

**GE-1 -Animal Cell Biotechnology**

**Credits 06**

#### **GE-1 T1 -Animal Cell Biotechnology**

**Credits 04**

##### **Animal Cell Biotechnology**

**4 Credits      Class**

##### **Unit 1: Introduction**

**2**

Concept and Scope of Biotechnology

##### **Unit 2: Techniques in Gene manipulation**

**15**

Recombinant DNA technology, Isolation of genes, Concept of restriction and modification:

Restriction endonucleases, DNA modifying enzymes

Cloning Vectors: Plasmids, Phage vectors, Cosmids, Phagemids, BAC, YAC, and HAC. Shuttle and

Expression Vectors.

Construction of Genomic libraries and cDNA libraries

Transformation techniques: microbial, plants and animals: Cloning in mammalian cells, Integration

of DNA into mammalian genome- Electroporation and Calcium Phosphate Precipitation method.

##### **Unit 3: Animal cell Culture**

**9**

Basic techniques in animal cell culture and organ culture, Primary Culture and Cell lines,

## Culture

media- Natural and Synthetic, Stem cells, Cryopreservation of cultures.

Agarose and Polyacrylamide Gel Electrophoresis, Southern, Northern and Western blotting, DNA

sequencing: Sanger method, Polymerase chain reaction, DNA Fingerprinting and DNA microarrays.

### **Unit 4: Fermentation**

8

Different types of Fermentation: Submerged & Solid state; batch, Fed batch & Continuous; Stirred

tank, Air Lift, Fixed Bed and Fluidized.

Downstream Processing: Filtration, centrifugation, extraction, chromatography, spray drying and

lyophilization.

### **Unit 5: Transgenic Animal Technology**

6

Production of transgenic animals: nuclear transplantation, Retroviral method, DNA microinjection

method, Dolly and Polly.

### **Unit 6: Application in Health**

6

Development of recombinant Vaccines, Hybridoma technology, Gene Therapy. Production of

recombinant Proteins: Insulin and growth hormones.

### **Unit 7: Bio safety Physical and Biological containment**

4

## Reference Books

- ▶ Animal Cells Culture and Media, D.C. Darling and S.J. Morgan, 1994. BIOS Scientific Publishers Limited.
- ▶ Methods in Cell Biology, Volume 57, Jennie P. Mathur and David Barnes, 1998. Animal Cell Culture Methods Academic Press.
- ▶ P.K. Gupta: Biotechnology and Genomics, Rastogi publishers (2003).
- ▶ B.D. Singh: Biotechnology, Kalyani publishers, 1998 (Reprint 2001).
- ▶ T.A. Brown: Gene cloning and DNA analysis: An Introduction, Blackwell Science (2001).
- ▶ Bernard R. Click & Jack J. Pasternak: Molecular Biotechnology, ASM Press, Washington (1998).
- ▶ Methods in Gene Biotechnology, W. Wu, M.J. Welsh, P.B. Kaufman & H.H. Zhang, 1997, CRC Press, New York
- ▶ Griffiths, A.J.F., J.H. Miller, Suzuki, D.T., Lewontin, R.C. and Gelbart, W.M. (2009). An introduction to genetic analysis. IX Edition. Freeman & Co., N.Y., USA

**List of Practical**

1. Packing and sterilization of glass and plastic wares for cell culture.
2. Preparation of culture media.
3. Preparation of genomic DNA from E. coli/animals/ human.
4. Plasmid DNA isolation (p UC 18/19) and DNA quantitation using agarose gel electrophoresis (by using lambda DNA as standard).
5. Restriction digestion of lambda ( $\lambda$ ) DNA using EcoR1 and Hind III.
6. Preparation of competent cells and Transformation of E. coli with plasmid DNA using CaCl<sub>2</sub>, Selection of transformants on X-gal and IPTG (Optional).
7. Techniques: Western Blot, Southern Hybridization, DNA Fingerprinting, PCR, DNA Microarrays

**Vidyasagar University**  
**Curriculum for B.Sc. Honours in Zoology [Choice Based Credit System]**

**Semester-II**

Sl.No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
C3	C3T: Non- Chordates-II	Core Course-3		4	0	0	6	75
	C3P: Non- Chordates-II ( Practical)	Core Course-3 [Practical]		0	0	4		
C4	C4T: Cell Biology	Core Course-4		4	0	0	6	75
	C4P: Cell Biology (Practical)	Core Course-4 [Practical]		0	0	4		
GE-2	GE-2	GE					4/5	75
	GE-2	GE					2/1	
AECC -2	Environmental Studies	AECC					4	100
				<b>Total Credits =22</b>				

**L=Lecture, T=Tutorial, P=Practical**

**AECC- Ability Enhancement Compulsory Course: Environmental Studies.**

**Interdisciplinary/Generic Elective (GE) from other Department**

**[Four papers are to be taken and each paper will be of 6 credits]:**

[Papers are to be taken from any of the following discipline  
**Chemistry/Botany/Physiology/Computer Sc./Microbiology/Bio Technology/ Geology  
 /Nutrition /Aquaculture Management.**

## Semester –II

### Core Courses Core-3

**CC-3 :Non-Chordates II**

**Credits 06**

**C3 T - Non-Chordates II**

**Credits 04**

**C3 T - Non-Chordates II**

**4 Credits**

**Class**

**Unit 1: Introduction**

2

Evolution of coelom and metamerism

**Unit 2: Annelida**

10

General characteristics and Classification up to classes

Excretion in Annelida through nephridia.

Metamerism in Annelida.

**Unit 3:Arthropoda**

16

General characteristics and Classification up to classes Vision in Insecta only.

Respiration in Arthropoda (Gills in prawn and trachea in cockroach)

Metamorphosis in Lepidopteran Insects.

Social life in termite

**Unit 4: Onychophora**

2

General characteristics and Evolutionary significance

**Unit 5: Mollusca**

10

General characteristics and Classification up to classes

Nervous system and torsion in Gastropoda

Feeding and respiration in *Pila* sp

**Unit 6: Echinodermata**

8

General characteristics and Classification up to classes  
Water-vascular system in Asteroidea

Larval forms in Echinodermata

Affinities with Chordates

### Unit 7: Hemichordata

2

General characteristics of phylum Hemichordata. Relationship with non-chordates and chordates

#### Reference Books

- ▶ Rupert and Barnes, R.D. (2006). Invertebrate Zoology, VIII Edition. Holt Saunders International Edition
- ▶ The Invertebrates: A New Synthesis, III Edition, Blackwell Science

**Note: Classification to be followed from Rupert and Barnes, 1994, 6<sup>th</sup> Edition.**

## C3 P – Non-Chordates II

**Credits 02**

### List of Practical

1. Study of following specimens:
  - a. Annelids - *Aphrodite*, *Nereis*, *Heteronereis*, *Sabella*, *Serpula*, *Chaetopterus*, *Pheretima*, *Hirudinaria*
  - b. Arthropods - *Limulus*, *Palamnaeus*, *Palaemon*, *Daphnia*, *Balanus*, *Sacculina*, *Cancer*, *Eupagurus*, *Scolopendra*, *Julus*, *Bombyx*, *Periplaneta*, termites and honey bees *Onychophora* - *Peripatus*
  - c. Molluscs - *Chiton*, *Dentalium*, *Pila*, *Doris*, *Helix*, *Unio*, *Ostrea*, *Pinctada*, *Sepia*, *Octopus*, *Nautilus*
  - d. Echinodermates - *Pentaceros/Asterias*, *Ophiura*, *Clypeaster*, *Echinus*, *Cucumaria* and
  - e. *Antedon*
2. Study of digestive system, septal nephridia and pharyngeal nephridia of earthworm
3. T.S. through pharynx, gizzard, and typhlosolar intestine of earthworm
4. Mount of mouth parts and dissection of digestive system and nervous system of *Periplaneta*\*
5. To submit a Project Report on any related topic to larval forms ( crustacean, mollusc and echinoderm)

## Core-4

**CC-4 : Cell Biology**

**Credits 06**

**C4 T: Cell Biology**

**Credits 04**

**C4 T - Cell Biology**

**4 Credits      Class**

**Unit 1: Overview of Cells**

2

Basic structure of Prokaryotic and Eukaryotic cells, Viruses, Viroid, Prion and Mycoplasma

**Unit 2: Plasma Membrane**

6

Ultra structure and composition of Plasma membrane: Fluid mosaic model

Transport across membrane: Active and Passive transport, Facilitated transport

Cell junctions: Tight junctions, Gap junctions, Desmosomes

**Unit 3: Cytoplasmic organelles I**

5

Structure and Functions: Endoplasmic Reticulum, Golgi Apparatus, Lysosomes

Protein sorting and mechanisms of vesicular transport

**Unit 4: Cytoplasmic organelles II**

6

Mitochondria: Structure, Semi-autonomous nature, Endosymbiotic hypothesis

Mitochondrial Respiratory Chain, Chemi-osmotic hypothesis

Peroxisomes: Structure and Functions

Centrosome: Structure and Functions

**Unit 5: Cytoskeleton**

5

Type, structure and functions of cytoskeleton

Accessory proteins of microfilament & microtubule

A brief idea about molecular motors

**Unit 6: Nucleus**

8

Structure of Nucleus: Nuclear envelope, Nuclear pore complex, Nucleolus

Chromatin: Euchromatin and Hetrochromatin and packaging (nucleosome)

**Unit 7: Cell Division**

10

Cell cycle and its regulation, Cancer (Concept of oncogenes and tumor suppressor genes with special reference to p53, Retinoblastoma and Ras and APC. Mitosis and Meiosis: Basic process and their significance

**Unit 8: Cell Signaling**

8



Cell signalling transduction pathways; Types of signaling molecules and receptors  
GPCR and Role of second messenger (cAMP)  
Extracellular matrix-Cell interactions  
Apoptosis and Necrosis

### Reference Books

- ▶ Lewin's Cells – 3rd Edition – Cassimeris/Lingappa/Plopper – Johns & Bartlett Publishers
- ▶ Biology of Cancer by Robert. A. Weinberg. 2nd edition.
- ▶ Cooper, G.M. and Hausman, R.E. (2009). The Cell: A Molecular Approach. V Edition. ASM Press and Sunderland, Washington, D.C.; Sinauer Associates, MA.
- ▶ Bruce Albert, Bray Dennis, Levis Julian, Raff Martin, Roberts Keith and Watson James (2008). Molecular Biology of the Cell, V Edition, Garland publishing Inc., New York and London.

## C4P–Cell Biology (Lab)

**Credits 02**

### Cell Biology

#### List of Practical

1. Preparation of temporary stained squash of onion root tip to study various stages of mitosis
2. Study of various stages of meiosis.
3. Preparation of permanent slide to show the presence of Barr body in human female blood cells/cheek cells.
4. Preparation of permanent slide to demonstrate:
  - a. DNA by Feulgen reaction
  - b. Cell viability study by Trypan Blue staining
  - c. Mitochondria identification through vital staining

**Generic Elective Syllabus**  
**GE-2 [Interdisciplinary for other department]**

**GE-2 :Animal Diversity** **Credits 06**

**GE2 T:Animal Diversity** **Credits 04**

**GE2 T-Animal Diversity**

	<b>4 Credits</b>	<b>Class</b>
<b>Unit 1: Protista</b>		<b>3</b>
Protozoa : General characters of Protozoa; Life cycle of <i>Plasmodium</i>		
<b>Unit 2: Porifera</b>		<b>3</b>
General characters and canal system in Porifera		
<b>Unit 3: Radiata</b>		<b>3</b>
General characters of Cnidarians and polymorphism		
<b>Unit 4: Aceolomates</b>		<b>2</b>
General characters of Helminthes		
<b>Unit 5: Pseudocoelomates</b>		<b>3</b>
General characters of Nematoda Parasitic adaptations		
<b>Unit 6: Annelida</b>		<b>3</b>
General characters of Annelida Metamerism		
<b>Unit 7: Arthropoda</b>		<b>4</b>
General characters. Social life in insects.		
<b>Unit 8: Mollusca</b>		<b>4</b>
General characters of mollusk. Pearl Formation		
<b>Unit 9: Echinodermata</b>		<b>4</b>
General characters of Echinodermata. Water Vascular system in Starfish.		

**Unit 10: Protochordata** 2

Salient features

**Unit 11: Pisces** 3

General Characters.  
Osmoregulation, Migration of Fish

**Unit 12: Amphibia** 4

General characters, Adaptations for terrestrial life, Parental care

**Unit 13: Reptilia** 4

General Characters.  
Amniotes; Origin of reptiles. Terrestrial adaptations in reptiles.

**Unit 14: Aves** 4

General Characters.  
The origin of birds; Flight adaptations

**Unit 15: Mammalia** 4

General Characters.  
Early evolution of mammals; Primates; Dentition in mammals.

**Reference Books**

- ▶ Barnes, R.D. (1992). Invertebrate Zoology. Saunders College Pub. USA.
- ▶ Ruppert, Fox and Barnes (2006) Invertebrate Zoology. A functional Evolutionary Approach  
7th Edition, Thomson Books/Cole
- ▶ Campbell & Reece (2005). Biology, Pearson Education, (Singapore) Pvt. Ltd.

Kardong, K. V. (2002). Vertebrates Comparative Anatomy. Function and Evolution. Tata McGraw Hill Publishing Company. New Delhi.

Raven, P. H. and Johnson, G. B. (2004). Biology, 6th edition, Tata McGraw Hill Publications. New Delhi.

**List of Practical**

1. Study of following specimens:

- a. Non Chordates: *Euglena*, *Noctiluca*, *Paramecium*, *Sycon*, , *Physalia*, *Tubipora*, *Metridium*, *Taenia*, *Ascaris*, *Nereis*, *Aphrodite*, Leech, *Peripatus*, *Limulus*, Hermitcrab, *Daphnia*, Millipede, Centipede, Beetle, *Chiton*, *Dentalium*, *Octopus*, *Asterias*, and *Antedon*.
- b. Chordates: *Balanoglossus*, *Amphioxus*, *Petromyzon*, *Pristis*, *Hippocampus*, *Labeo*, *Ichthyophis/Uraeotyphlus*, Salamander, *Rhacophorus*, *Draco*, *Uromastix*, *Naja*, *Viper*, model of Archaeopteryx, any three common birds-(Crow, duck, Owl), Squirrel and Bat.

2. Study of following Permanent Slides:

Cross section of *Sycon*, Sea anemone and *Ascaris* (male and female). T. S. of Earthworm passing through pharynx, gizzard, and typhlosolar intestine. Bipinnaria and Pluteus larva.

3. Temporary mounts of:

- a. Septal & pharyngeal nephridia of earthworm.
- b. Unstained mounts of Placoid, cycloid and ctenoid scales.

4. Dissections of:

- a. Digestive and nervous system of Cockroach
- b. Urinogenital system of Rat

# Vidyasagar University

## Curriculum for B.Sc (Honours) in Zoology [Choice Based Credit System]

### Semester-III

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
CC-5		C5T:Chordates	Core Course - 5	4	0	0	6	75
		C5P:Chordates Lab		0	0	4		
CC-6		C6T:Animal Physiology: Controlling & Coordinating Systems	Core Course - 6	4	0	0	6	75
		C6P:Animal Physiology: Controlling & Coordinating Systems Lab		0	0	4		
CC-7		C7T:Fundamentals of Biochemistry	Core Course - 7	4	0	0	6	75
		C7P:Fundamentals of Biochemistry Lab		0	0	4		
GE-3	TBD		Generic Elective -3				4/5	75
							2/1	
SEC-1		SEC-1:Apiculture Or SEC-1:Aquarium Fish Keeping	Skill Enhancement Course-1	1	1	0	2	50
<b>Semester Total</b>							<b>26</b>	<b>350</b>

L=Lecture, T= Tutorial, P=Practical, CC = Core Course, GE= Generic Elective, SEC = Skill Enhancement Course, TBD = to be decided

**Generic Elective (GE) (Interdisciplinary) from other Department [Four papers are to be taken and each paper will be of 6 credits]:**

Papers are to be taken from any of the following discipline:

**Chemistry /Botany/Physiology/Computer Sc./Microbiology /Bio Technology/ Geology /Nutrition /Aquaculture Management.**

**Modalities of selection of Generic Electives (GE):** A student shall have to choose **04** Generic Elective (GE1 to GE4) strictly from **02** subjects / disciplines of choice taking exactly **02** courses from each subjects of disciplines. Such a student shall have to study the curriculum of Generic Elective (GE) of a subject or discipline specified for the relevant semester.

**Semester- III**  
**Core Course (CC)**

**CC-5: Chordates**

**Credits 06**

**C5T: Chordates**

**Credits 04**

**Unit 1: Introduction to Chordates**

General characteristics and outline classification of Phylum Chordata

**Unit 2: Protochordata**

General characteristics and classification of sub-phylum Urochordata and Cephalochordata up to Classes. Retrogressive metamorphosis in *Ascidia*. Chordate Features and Feeding in *Branchiostoma*

**Unit 3: Origin of Chordata**

Dipleurula concept and the Echinoderm theory of origin of chordates  
Advanced features of vertebrates over Protochordata

**Unit 4: Agnatha**

General characteristics and classification of cyclostomes up to order

**Unit 5: Pisces**

General characteristics and classification of Chondrichthyes and Osteichthyes up to Subclasses

Accessory respiratory organ, migration and parental care in fishes

Swim bladder in fishes. Classification up to Sub-Classes

**Unit 6: Amphibia**

General characteristics and classification up to living Orders.

Metamorphosis and parental care in Amphibia

**Unit 7: Reptilia**

General characteristics and classification up to living Orders.

Poison apparatus and Biting mechanism in Snake

**Unit 8: Aves**

General characteristics and classification up to Sub-Classes

Exoskeleton and migration in Birds

Principles and aerodynamics of flight

**Unit 9: Mammals**

General characters and classification up to living orders

Affinities of Prototheria

Exoskeleton derivatives of mammals

Adaptive radiation in mammals with reference to locomotory appendages

Echolocation in Micro chiropterans and Cetaceans

**Unit 10: Zoogeography**

Zoogeographical realms, Plate tectonic and Continental drift theory, distribution of birds and mammals in different realms

### **Suggested Readings :**

1. Young, J. Z. (2004). The Life of Vertebrates. III Edition. Oxford university press.
2. Pough H. Vertebrate life, VIII Edition, Pearson International.
3. Darlington P.J. The Geographical Distribution of Animals, R.E. Krieger Pub Co.
4. Hall B.K. and Hallgrimsson B. (2008). Strickberger's Evolution. IV Edition. Jones and Bartlett Publishers Inc.
5. Parker, T. J. & Haswell, W. (1972). Text Book of Zoology, Volume II: Marshall and Willam (Eds.) 7th Ed. Macmillan Press, London.
6. Kardong, K. V. (2002). Vertebrates: Comparative anatomy, function evolution. Tata McGraw Hill.
7. Kent, G. C. & Carr, R. K. (2001). Comparative anatomy of the Vertebrates. 9th Ed. McGraw Hill.
8. Nelson, J.S., (2006) : Fishes of the World, 4th Edn., Wiley.
9. Romer, A. S. & Parsons, T. S. (1986). The vertebrate body. 6th Ed. Saunders College Publishing.
10. Jordan, E.L. & Verma, P.S. (2003). Chordate Zoology. S. Chand & Company Ltd. New Delhi.
11. Sinha, K. S., Adhikari, S., Ganguly, B. B. & Bharati Goswami, B. D. (2001). Biology of Animals. Vol. II. New Central Book Agency (p) Ltd.
12. Futuyama, D. (1997). Evolutionary Biology. 3rd Ed. Sinauer Associates, INC.

**Note: Classifications for Protochordata, Agnatha, Reptilia, Aves and Mammalia to be followed from Young (1981), for Pisces to be followed from Romer (1959), for Amphibia to be followed from Duellman and Trueb (1986).**

### **CP5: Chordates Lab**

**Credits 02**

#### **List of Practical**

1. Protochordata  
*Balanoglossus, Herdmania, Branchiostoma*
2. Agnatha  
*Petromyzon, Myxine*
3. Fishes  
*Scoliodon, Sphyrna, Pristis, Torpedo, Chimaera, Mystus, Heteropneustes, Labeo, Exocoetus, Echeineis, Anguilla, Hippocampus, Tetradon/ Diodon, Anabas, Flat fish*
4. Amphibia  
*Necturus, Bufo, Hyla, Alytes, Axolotl, Tylototriton*
5. Reptilia  
*Chelone, Trionyx, Hemidactylus, Varanus, Uromastix, Chamaeleon, Ophiosaurus, Draco, Bungarus, Vipera, Naja, Hydrophis, Zamenis, Crocodylus. Key for Identification of poisonous and non-poisonous snakes*
6. Mammalia: Bat (Insectivorous and Frugivorous), *Funambulus*
7. Pecten from Fowl head
8. Dissection of brain and pituitary of Tilapia

9. Power point presentation on study of any two animals from two different classes by students (may be included if dissections not given permission)

**CC-6: Animal Physiology: Controlling & Coordinating Systems** Credits 06

**C6T: Animal Physiology: Controlling & Coordinating Systems** Credits 04

**Unit 1: Tissues**

Structure, location, classification and functions of epithelial tissue, connective tissue, muscular tissue and nervous tissue and, fixation and staining of tissues.

**Unit 2: Bone and Cartilage**

Structure and types of bones and cartilages, Ossification

**Unit 3: Nervous System**

Structure of neuron, resting membrane potential, Origin of action potential and its propagation across the myelinated and unmyelinated nerve fibers; Types of synapse, Synaptic transmission and Neuromuscular junction; Reflex action and its types

**Unit 4: Muscular system**

Histology of different types of muscle; Ultra structure of skeletal muscle; Molecular and chemical basis of muscle contraction; Characteristics of muscle fibre

**Unit 5: Reproductive System**

Histology of testis and ovary

Physiology of Reproduction

**Unit 6: Endocrine System**

Histology and function of pituitary, thyroid, pancreas and adrenal

Classification of hormones; Mechanism of Hormone action

Signal transduction pathways for Steroidal and Non steroidal hormones

Hypothalamus (neuroendocrine gland) - principal nuclei involved in neuroendocrine control of anterior pituitary and endocrine system

Placental hormones

**Suggested Readings :**

1. Histology: A Text and Atlas. Sixth Edition. Ross & Pawlina. Lippincott Williams & Wilkins.
2. Eckert Animal Physiology by David Randall and Warren Burggren. 4th edition. W. H. Freeman.

**C6P: Animal Physiology: Controlling & Coordinating Systems Lab** Credits 02

**List of Practical**

1. Recording of simple muscle twitch with electrical stimulation (or Virtual)



2. Demonstration of the unconditioned reflex action (Deep tendon reflex such as knee jerk reflex)
3. Preparation of temporary mounts: Squamous epithelium, Striated muscle fibres and nerve cells
4. Study of permanent slides of Mammalian skin, Cartilage, Bone, Spinal cord, Nerve cell, Pituitary, Pancreas, Testis, Ovary, Adrenal, Thyroid and Parathyroid
5. Microtomy: Preparation of permanent slide of any five mammalian (Goat/white rat) tissues

**CC-7: Fundamentals of Biochemistry**

**Credits 06**

**C7T: Fundamentals of Biochemistry**

**Credits 04**

**Unit 1: Carbohydrates**

Structure and Biological importance: Monosaccharides, Disaccharides, Polysaccharides; Derivatives of Monosachharides

Carbohydrate metabolism: Glycolysis, Citric acid cycle, Pentose phosphate pathway, Gluconeogenesis

**Unit 2: Lipids**

Structure and Significance: Physiologically important saturated and unsaturated fatty acids, Tri-acylglycerols, Phospholipids, Sphingolipid, Glycolipids, Steroids, Eicosanoids and terpinoids.

Lipid metabolism:  $\beta$ -oxidation of fatty acids; Fatty acid biosynthesis

**Unit 3: Proteins**

Amino acids

Structure, Classification, General and Electro chemical properties of  $\alpha$ -amino acids; Physiological importance of essential and non-essential amino acids

Proteins

Bonds stabilizing protein structure; Levels of organization

Protein metabolism: Transamination, Deamination, Urea cycle, Fate of C-skeleton of Glucogenic and Ketogenic amino acids

**Unit 4: Nucleic Acids**

Structure: Purines and pyrimidines, Nucleosides, Nucleotides, Nucleic acids

Types of DNA and RNA, Complementarity of DNA, Hpyo- Hyperchromaticity of DNA

Basic concept of nucleotide metabolism

### **Unit 5: Enzymes**

Nomenclature and classification; Cofactors; Specificity of enzyme action; Isozymes; Mechanism of enzyme action; Enzyme kinetics; Derivation of Michaelis-Menten equation, Lineweaver-Burk plot;

Factors affecting rate of enzyme-catalyzed reactions; Enzyme inhibition; Allosteric enzymes and their kinetics; Strategy of enzyme action- Catalytic and Regulatory (Basic concept with one example each)

### **Unit 5: Oxidative Phosphorylation**

Redox systems; Review of mitochondrial respiratory chain, Inhibitors and un-couplers of Electron Transport System

## **C7P: Fundamentals of Biochemistry Lab**

**Credits 02**

### **List of Practical**

1. Qualitative tests of functional groups in carbohydrates, proteins and lipids.
2. Paper chromatography of amino acids.
3. Quantitative estimation of Lowry Methods.
4. Demonstration of proteins separation by SDS-PAGE.
5. To study the enzymatic activity of Trypsin and Lipase.
6. To perform the Acid and Alkaline phosphatase assay from serum/ tissue.

### **Suggested Readings:**

1. Cox, M.M and Nelson, D.L. (2008). Lehninger's Principles of Biochemistry, V Edition, W.H. Freeman and Co., New York.
2. Berg, J.M., Tymoczko, J.L. and Stryer, L. (2007). Biochemistry, VI Edition, W.H. Freeman and Co., New York.
3. Murray, R.K., Bender, D.A., Botham, K.M., Kennelly, P.J., Rodwell, V.W. and Well, P.A.(2009). Harper's Illustrated Biochemistry, XXVIII Edition, International Edition, The McGraw- Hill Companies Inc.
4. Hames, B.D. and Hooper, N.M. (2000). Instant Notes in Biochemistry, II Edition, BIOS Scientific Publishers Ltd., U.K.
5. Watson, J.D., Baker, T.A., Bell, S.P., Gann, A., Levine, M. and Losick, R. (2008). Molecular Biology of the Gene, VI Edition, Cold Spring Harbor Lab. Press, Pearson Pub.

## **Skill Enhancement Course (SEC)**

### **SEC1: Apiculture**

**Credits 02**

### **SEC1T: Apiculture**

#### **Unit 1: Biology of Bees**

History, Classification and Biology of Honey Bees

Social Organization of Bee Colony

## **Unit 2: Rearing of Bees**

Artificial Bee rearing (Apiary), Beehives – Newton and Langstroth  
Bee Pasturage  
Selection of Bee Species for Apiculture  
Bee Keeping Equipment  
Methods of Extraction of Honey (Indigenous and Modern)

## **Unit 3: Diseases and Enemies**

Bee Diseases and Enemies  
Control and Preventive measures

## **Unit 4: Bee Economy**

Products of Apiculture Industry and its Uses (Honey, Bees Wax, Propolis), Pollen etc

## **Unit 5: Entrepreneurship in Apiculture**

Bee Keeping Industry – Recent Efforts, Modern Methods in employing artificial Beehives for cross pollination in horticultural gardens

## **Suggested Readings :**

1. Prost, P. J. (1962). Apiculture. Oxford and IBH, New Delhi.
2. Bisht D.S., Apiculture, ICAR Publication.
3. Singh S., Beekeeping in India, Indian council of Agricultural Research, New Delhi.

**Or**

## **SEC1: Aquarium Fish Keeping**

**Credits 02**

## **SEC1T: Aquarium Fish Keeping**

### **Aquarium Fish Keeping**

#### **Unit 1: Introduction to Aquarium Fish Keeping**

The potential scope of Aquarium Fish Industry as a Cottage Industry, Exotic and Endemic species of Aquarium Fishes

#### **Unit 2: Biology of Aquarium Fishes**

Common characters and sexual dimorphism of Fresh water and Marine Aquarium fishes such as Guppy, Molly, Sword tail, Gold fish, Angel fish, Blue morph, Anemone fish and Butterfly fish

#### **Unit 3: Food and feeding of Aquarium fishes**

Use of live fish feed organisms. Preparation and composition of formulated fish feeds, Aquarium fish as larval predator

#### **Unit 4: Fish Transportation**

Live fish transport - Fish handling, packing and forwarding techniques.

### **Unit 5: Maintenance of Aquarium**

General Aquarium maintenance – budget for setting up an Aquarium Fish Farm as a Cottage Industry

### **Generic Elective**

### **GE-3 [Interdisciplinary for other department]**

**GE-3: Aquatic Biology**

**Credits 06**

**GE3T: Aquatic Biology**

**Credits 04**

### **Unit 1: Aquatic Biomes**

Brief introduction to the aquatic biomes: Freshwater ecosystem (lakes, wetlands, streams and rivers), estuaries, intertidal zones, oceanic pelagic zone, marine benthic zone and coral reefs.

### **Unit 2: Freshwater Biology**

Lakes: Origin and classification, Lake as an Ecosystem, Lake morphometry, Physico-chemical Characteristics: Light, Temperature, Thermal stratification, Dissolved Solids, Carbonate, Bicarbonates, Phosphates and Nitrates, Turbidity, dissolved gases (Oxygen, Carbon dioxide). Nutrient Cycles in Lakes (Nitrogen, Sulphur and Phosphorous).

Streams: Different stages of stream development, Physico-chemical environment, Adaptation of hill- stream fishes.

### **Unit 3: Marine Biology**

Salinity and density of Sea water, Continental shelf, Adaptations of deep sea organisms, Coral reefs, Sea weeds.

### **Unit 4: Management of Aquatic Resources**

Causes of pollution: Agricultural, Industrial, Sewage, Thermal and Oil spills, Eutrophication, Management and conservation (legislations), Sewage treatment Water quality assessment- BOD and COD

**GE3 P: Aquatic Biology Lab**

**Credits 02**

### **List of Practical**

1. Determine the area of a lake using graphimetric and gravimetric method.
2. Identify the important macrophytes, phytoplanktons and zooplanktons present in a lake ecosystem.
3. Determine the amount of Turbidity/transparency, Dissolved Oxygen, and Free Carbon dioxide, Alkalinity (carbonates & bicarbonates) in water collected from a nearby lake / water body.
4. Instruments used in limnology (Secchi disc, Van Dorn Bottle, Conductivity meter, Turbidity meter, PONAR grab sampler) and their significance.

5. A Project Report on a visit to a Sewage treatment plant/Marine bio- reserve/Fisheries Institute.

**Suggested Readings :**

1. Anathakrishnan : Bioresources Ecology 3rd Edition
2. Goldman : Limnology, 2nd Edition
3. Odum and Barrett : Fundamentals of Ecology, 5th Edition
4. Pawlowski: Physicochemical Methods for Water and Wastewater Treatment, 1st Edition
5. Wetzel : Limnology, 3rd edition
6. Trivedi and Goyal : Chemical and biological methods for water pollution studies
7. Welch : Limnology Vols. I-II



# Vidyasagar University

## Curriculum for B.Sc (Honours) in Zoology [Choice Based Credit System]

### Semester-IV

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
CC-8		C8T: Comparative Anatomy of Vertebrates	Core Course - 8	4	0	0	6	75
		C8P: Practical		0	0	4		
CC-9		C9T: Animal Physiology: Life Sustaining Systems	Core Course - 9	4	0	0	6	75
		C9P: Practical		0	0	4		
CC-10		C10T: Immunology	Core Course - 10	4	0	0	6	75
		C10P: Practical		0	0	4		
GE-4	TBD		Generic Elective -4				4/5	75
							2/1	
SEC-2		SEC2: Medical Diagnostic Techniques Or Sericulture	Skill Enhancement Course-2	1	1	0	2	50
<b>Semester Total</b>							<b>26</b>	<b>350</b>

L=Lecture, T= Tutorial, P=Practical, CC = Core Course, GE= Generic Elective, SEC = Skill Enhancement Course, TBD = to be decided

**Generic Elective (GE) (Interdisciplinary)** from other Department [Four papers are to be taken and each paper will be of 6 credits]: Chemistry/Botany/Physiology/Computer Sc./Microbiology/Bio Technology/ Geology /Nutrition /Aquaculture Management.

**Modalities of selection of Generic Electives (GE):** A student shall have to choose 04 Generic Elective (GE1 to GE4) strictly from 02 subjects / disciplines of choice taking exactly 02 courses from each subjects of disciplines. Such a student shall have to study the curriculum of Generic Elective (GE) of a subject or discipline specified for the relevant semester.

**Semester-IV**  
**Core Course (CC)**

**CC-8: Comparative Anatomy of Vertebrates** **Credits 06**

**C8T: Comparative Anatomy of Vertebrates** **Credits 04**

**Course Contents:**

**Unit 1: Integumentary System**

Structure, function and derivatives of integument in amphibian, birds and mammals

**Unit 2: Skeletal System**

Overview of axial and appendicular skeleton; Jaw suspension; Visceral arches.

**Unit 3: Digestive System**

Comparative anatomy of stomach; dentition in mammals

**Unit 4: Respiratory System**

Respiratory organs in fish, amphibian, birds and mammals

**Unit 5: Circulatory System**

General plan of circulation, Comparative account of heart and aortic arches

**Unit 6: Urinogenital System**

Succession of kidney, Evolution of urinogenital ducts, Types of mammalian uteri

**Unit 7: Nervous System**

Comparative account of brain, Cranial nerves in mammals

**Unit 8: Sense Organs**

Classification of receptors, Brief account of olfactory and auditory receptors in vertebrate

**Suggested Readings:**

- Kardong, K.V. (2005) Vertebrates' Comparative Anatomy, Function and Evolution. IV Edition. McGraw-Hill Higher Education
- Kent, G.C. and Carr R.K. (2000). Comparative Anatomy of the Vertebrates. IX Edition. The McGraw-Hill Companies
- Hilderbrand, M and Gaslow G.E. Analysis of Vertebrate Structure, John Wiley and Sons  
Saxena, R.K. & Saxena, S.C. (2008) : Comparative Anatomy of Vertebrates, Viva Books Pvt. Ltd.



**List of Practical**

1. Study of placoid, cycloid and ctenoid scales through permanent slides/photographs.
2. Study of disarticulated skeleton of Toad, Pigeon and Guinea pig.
3. Demonstration of Carapace and plastron of turtle.
4. Identification of mammalian skulls: One herbivorous (Guinea pig) and one carnivorous (Dog) animal.
5. Dissection of Tilapia: Circulatory system, Brain, pituitary, urinogenital system.

**CC-9: Animal Physiology: Life Sustaining Systems****Credits 06****C9T: Animal Physiology: Life Sustaining Systems****Credits 04****Course Contents:****Unit 1: Physiology of Digestion**

Structural organisation and functions of Gastrointestinal tract and Associated glands; Mechanical and chemical digestion of food, absorption of Carbohydrates, Lipids, Proteins and Nucleic Acids; Digestive enzymes

**Unit 2: Physiology of Respiration**

Mechanism of Respiration, Respiratory volumes and capacities, transport of Oxygen and Carbon dioxide in blood, Dissociation curves and the factors influencing it, respiratory pigments; Carbon monoxide poisoning

**Unit 3: Physiology of Circulation**

Components of Blood and their functions; Structure and functions of haemoglobin Haemostasis; Blood clotting system, Fibrinolytic system Haemopoiesis; Basic steps and its regulation Blood groups; ABO and Rh factor

**Unit 4: Physiology of Heart**

Structure of mammalian heart, Coronary Circulation, Structure and working of conducting myocardial fibres, Origin and conduction of cardiac impulses Cardiac Cycle and cardiac output Blood pressure and its regulation

**Unit 5: Thermoregulation & Osmoregulation**

Physiological classification based on thermal biology.

Thermal biology of endotherms

Osmoregulation in aquatic vertebrates

Extrarenal osmoregulatory organs in vertebrates

## **Unit 6: Renal Physiology**

Structure of Kidney and its functional unit, Mechanism of urine formation, Regulation of acid-base balance

### **Suggested Readings:**

- Guyton, A.C. & Hall, J.E. (2006). Textbook of Medical Physiology. XI Edition. Hercourt
- Asia PTE Ltd. W.B. Saunders Company.
- Tortora, G.J. & Grabowski, S. (2006). Principles of Anatomy & Physiology. XI Edition John Wiley & sons,
- Eckert Animal Physiology: Mechanisms and adaptations Randall, Burggren and French Vander A, Sherman J. and Luciano D. (2014). Vander's Human Physiology: The Mechanism of Body Function. XIII Edition, McGraw Hills
- Victor P. Eroschenko. (2008). diFiore's Atlas of Histology with Functional correlations. XII Edition. Lippincott W. & Wilkins.
- Vander A, Sherman J. and Luciano D. (2014). Vander's Human Physiology: The Mechanism of Body Function. XIII Edition, McGraw Hills

## **C9P: Animal Physiology: Life Sustaining Systems Lab**

**Credits 02**

### **List of Practical**

1. Determination of ABO Blood group
2. Enumeration of red blood cells and white blood cells using haemocytometer
3. Estimation of haemoglobin using Sahli's haemoglobinometer
4. Preparation of haemin and haemochromogen crystals
5. Recording of blood pressure using a sphygmomanometer

## **CC-10: Immunology**

**Credits 06**

## **C10T: Immunology**

**Credits 04**

### **Course Contents:**

#### **Unit 1: Overview of Immune System**

Basic concepts of health and diseases, Historical perspective of Immunology, Cells and organs of the Immune system

#### **Unit 2: Innate and Adaptive Immunity**

Anatomical barriers, Inflammation, Cell and molecules involved in innate immunity, Adaptive immunity (Cell mediated and humoral).

#### **Unit 3: Antigens**

Antigenicity and immunogenicity, Immunogens, Adjuvants and haptens, Factors influencing immunogenicity, B and T-Cell epitopes

#### **Unit 4: Immunoglobulins**

Structure and functions of different classes of immunoglobulins, Antigen- antibody interactions, Immunoassays (ELISA and RIA), Hybridoma technology, Monoclonal antibody production

#### **Unit 5: Major Histocompatibility Complex**

Structure and functions of MHC molecules.

Structure of T cell Receptor and its signalling, T cell development & selection

#### **Unit 6: Cytokines**

Types, properties and functions of cytokines.

#### **Unit 7: Complement System**

Components and pathways of complement activation.

#### **Unit 8: Hypersensitivity**

Gell and Coombs' classification and brief description of various types of hypersensitivities.

#### **Unit 9: Immunology of diseases**

Malaria, Filariasis, Dengue and Tuberculosis

#### **Unit 10: Vaccines**

Various types of vaccines. Active & passive immunization (Artificial and natural).

#### **Suggested Readings:**

- Kindt, T. J., Goldsby, R.A., Osborne, B. A. and Kuby, J (2006). Immunology, VI Edition. W.H. Freeman and Company.
- Abbas, K. Abul and Lechtman H. Andrew (2003.) Cellular and Molecular Immunology. V Edition. Saunders Publication.

#### **C10P: Immunology Lab**

**Credits 02**

#### **List of Practical**

1. Demonstration of lymphoid organs.
2. Histological study of spleen, thymus and lymph nodes through slides/ photographs
3. Preparation of stained blood film to study various types of blood cells.
4. ABO blood group determination.
5. Demonstration of ELISA

## **Skill Enhancement Courses (SEC)**

### **SEC-2: Medical Diagnostic Techniques**

**Credits 02**

### **SEC2T: Medical Diagnostic Techniques**

#### **Course Contents:**

#### **Unit 1: Introduction to Medical Diagnostics and its Importance**

#### **Unit 2: Diagnostics Methods Used for Analysis of Blood**

Blood composition, Preparation of blood smear and Differential Leucocyte Count (D.L.C) using Leishman's stain, Platelet count using haemocytometer, Erythrocyte Sedimentary Rate (E.S.R), Packed Cell Volume (P.C.V.)

#### **Unit 3: Diagnostic Methods Used for Urine Analysis**

Urine Analysis: Physical characteristics; Abnormal constituents

#### **Unit 4: Non-infectious Diseases**

Causes, types, symptoms, complications, diagnosis and prevention of Diabetes (Type I and Type II), Hypertension (Primary and secondary), Testing of blood glucose using Glucometer/Kit

#### **Unit 5: Infectious Diseases**

Causes, types, symptoms, diagnosis and prevention of Tuberculosis and Hepatitis, Malarial parasite (Microscope based and ELISA based)

#### **Unit 6: Clinical Biochemistry**

LFT, Lipid profiling

#### **Unit 7: Clinical Microbiology**

Antibiotic Sensitivity Test

#### **Unit 8: Tumours**

Types (Benign/Malignant), Detection and metastasis; Medical imaging: X-Ray of Bone fracture, PET, MRI and CT Scan (using photographs).

#### **Unit 9: Visit to Pathological Laboratory and Submission of Project**

#### **Suggested Readings:**

- Park, K. (2007), *Preventive and Social Medicine*, B.B. Publishers
- Godkar P.B. and Godkar D.P. *Textbook of Medical Laboratory Technology*, II Edition, Bhalani Publishing House
- Cheesbrough M., *A Laboratory Manual for Rural Tropical Hospitals, A Basis for Training Courses*
- Guyton A.C. and Hall J.E. *Textbook of Medical Physiology*, Saunders Robbins and Cortan, *Pathologic Basis of Disease*, VIII Edition, Saunders
- Prakash, G. (2012), *Lab Manual on Blood Analysis and Medical Diagnostics*, S. Chand and Co. Ltd.

Or

**SEC-2: Sericulture**

**Credits 02**

**SEC2T: Sericulture**

**Course Contents:**

**Unit 1: Introduction**

Sericulture: Definition, history and present status; Silk route

Types of silkworms, Distribution and Races

Exotic and indigenous races

Mulberry and non-mulberry Sericulture

**Unit 2: Biology of Silkworm**

Life cycle of *Bombyx mori*

Structure of silk gland and secretion of silk

**Unit 3: Rearing of Silkworms**

Selection of mulberry variety and establishment of mulberry garden

Rearing house and rearing appliances.

Disinfectants: Formalin, bleaching powder, RKO

Silkworm rearing technology: Early age and Late age rearing

Types of mountages

Spinning, harvesting and storage of cocoons

**Unit 4: Pests and Diseases**

Pests of silkworm: Uzi fly, dermestid beetles and vertebrates

Pathogenesis of silkworm diseases: Protozoan, viral, fungal and bacterial

Control and prevention of pests and diseases

**Unit 5: Entrepreneurship in Sericulture**

Prospectus of Sericulture in India: Sericulture industry in different states, employment, potential in mulberry and non-mulberry sericulture Visit to various sericulture centres.

**Suggested Readings:**

- Non-conventional energy sources - G.D Rai - Khanna Publishers, New Delhi
- Solar energy - M P Agarwal - S Chand and Co. Ltd.

- Solar energy - Suhas P Sukhative Tata McGraw - Hill Publishing Company Ltd Godfrey Boyle, “Renewable Energy, Power for a sustainable future”, 2004,
- Oxford University Press, in association with The Open University.
- Dr. P Jayakumar, Solar Energy: Resource Assesment Handbook, 2009
- J. Balfour, M. Shaw and S. Jarosek, Photovoltaics, Lawrence J Goodrich (USA).  
[http://en.wikipedia.org/wiki/Renewable\\_energy](http://en.wikipedia.org/wiki/Renewable_energy)

**Generic Elective Syllabus**  
**GE-4 [Interdisciplinary for other department]**

**GE-4: Insect Vectors and Diseases** **Credits 06**

**GE4T: Insect Vectors and Diseases** **Credits 04**

**Course Contents:**

**Unit 1: Introduction to Insects**

General Features of Insects, Morphological features, Head – Eyes, Types of antennae, Mouth Parts

**Unit 2: Concept of Vectors**

Brief introduction to Vectors (mechanical and biological vectors),Reservoirs, Host-vector relationship, Adaptations as vectors, Host specificity

**Unit 3: Insects as Vectors**

Detailed features of orders with insects as vectors – Diptera, Siphonaptera, Siphunculata, Hemiptera

**Unit 4: Dipteran as Disease Vectors**

Dipterans as important insect vectors – Mosquitoes, Sand fly, Houseflies

Study of mosquito-borne diseases – Malaria, Dengue, Chikungunya, Viral encephalitis, Filariasis Control of mosquitoes

Study of sand fly-borne diseases –Leishmaniasis,; Control of Sand fly

Study of house fly as important mechanical vector, Myiasis, Control of house fly

**Unit 5: Siphonaptera as Disease Vectors**

Fleas as important insect vectors; Host-specificity, Study of Flea-borne diseases – Plague, Typhus fever; Control of fleas

**Unit 6: Siphunculata as Disease Vectors**

Human louse (Head, Body and Pubic louse) as important insect vectors; Control of human louse

### **Unit 7: Hemiptera as Disease Vectors**

Bugs as insect vectors; Blood-sucking bugs; Chagas disease, Bed bugs as mechanical vectors, Control and prevention measures

#### **Suggested Readings:**

- Imms, A.D. (1977). A General Text Book of Entomology. Chapman & Hall, UK
- Chapman, R.F. (1998). The Insects: Structure and Function. IV Edition, Cambridge University Press, UK
- Pedigo L.P. (2002). Entomology and Pest Management. Prentice Hall Publication
- Mathews, G. (2011). Integrated Vector Management: Controlling Vectors of Malaria and Other Insect Vector Borne Diseases. Wiley-Blackwell
- Mosquito (2000) Chandra G, Sribhumi Publication Co. Kolkata
- Medical Entomology, Hati A. K Allied Book Agency, Kolkata

### **GE4P: Insect Vectors and Diseases Lab**

**Credits 02**

#### **List of Practical**

1. Study of different kinds of mouth parts of insects
2. Study of following insect vectors through permanent slides/ photographs: *Aedes*, *Culex*, *Anopheles*, *Pediculus humanus capitis*, *Pediculus humanus corporis*, *Phthirus pubis*, *Xenopsylla cheopis*, *Cimex lectularius*, *Phlebotomus argentipes*, *Musca domestica* through permanent slides/ photographs
3. Study of different diseases transmitted by above insect vectors

**Submission of a project report on any one of the insect vectors and disease transmitted**

**Or**

### **GE-4: Environment and Public Health**

**Credits 06**

### **GE4T: Environment and Public Health**

**Credits 04**

#### **Course Contents:**

#### **Unit 1: Introduction**

Sources of Environmental hazards, Hazard identification and accounting, Fate of toxic and persistent substances in the environment, Dose response evaluation, Exposure assessment.

#### **Unit 2: Climate Change**

Greenhouse gases and global warming, Acid rain, Ozone layer destruction, Effect of climate change on public health

#### **Unit 3: Pollution**

Air, water, noise pollution sources and effects, Pollution control.

#### **Unit 4: Waste Management Technologies**

Sources of waste, types and characteristics, Sewage disposal and its management, Solid waste disposal, Biomedical waste handling and disposal, Nuclear waste handling and disposal, Waste from thermal power plants.

#### **Unit 5: Diseases**

Causes, symptoms and control of tuberculosis, Asthma, Cholera, Minamata disease, typhoid, filariasis

#### **Suggested Readings:**

- Cutter, S.L., Environmental Risk and Hazards, Prentice-Hall of India Pvt. Ltd., New Delhi, 1999.
- Kolluru Rao, Bartell Steven, Pitblado R and Stricoff “Risk Assessment and Management Handbook”, McGraw Hill Inc., New York, 1996.
- Kofi Asante Duah “Risk Assessment in Environmental management”, John Wiley and sons, Singapore, 1998.
- Kasperson, J.X. and Kasperson, R.E. and Kasperson, R.E., Global Environmental Risks, V. N. University Press, New York, 2003.
- Joseph F Louvar and B Diane Louver Health and Environmental Risk Analysis fundamentals with applications, Prentice Hall, New Jersey 1997.

**GE4P: Environment and Public Health Lab**

**Credits 02**

#### **List of Practical**

To determine pH, Cl, SO<sub>4</sub>, NO<sub>3</sub> in soil and water samples from different locations.



