

# VIDYASAGAR UNIVERSITY



SWARNAMOYEE JOGENDRA NATH MAHAVIDYALAYA

**SUB :- ZOOLOGY**

**FIELD NOTE BOOK**

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**B.Sc (H) : SEMESTER-III**

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**No-210013**

**Registration No-VU211040308**

**SESSION: 2021-2022**

**EXAMINED**



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# SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014

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## DEPARTMENT OF ZOOLOGY

TO WHOM IT MAY CONCERN



This is to certify that Sibaprasad Manna Roll 1123152  
No 910013, Registration No. VU211040308 of 2021-2022 students of B.Sc.  
Semester-III, Zoology (Aquatic Biology, GE-3) of Swarnamoyee Jogendranath  
Mahavidyalaya for the session 2022-2023, submitted his/ her field report entitled as  
a visit to a marine Bioreactive Digba and it's  
surrounding

Based on field study conducted on 19.12.2022 & 20.12.2022 for partial fulfilment of the  
syllabus prescribed by Vidyasagar University. The report has been prepared under the  
supervision of Miss. Tanushree Das and may be placed before examiner for evaluation.

Bamant 05/01/23

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Principal

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T. Das 05.01.23

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## ACKNOWLEDGEMENT

With deep sense of our respect, we would like to  
sinceze gratitude to our most respectful teachers  
Dr. Ratan kumar samanta, Dr. Anindya kisor Bhaumik  
Ms. Tanushree Das and non teaching staff pradipta  
kumar Das, sujan kumar Majhi. The department  
of zoology, swarnamoyee jogendranath  
Mahavidyalaya for organizing and participating  
the said excursion to Digha and its surrounding

We are also thankful to the authorities  
for giving us permission to visit Digha its  
biological observation under different habitat  
of animal

We are also thanks our kno. honourable  
principle of the college, Dr. Ratan kumar  
samanta for giving us permission to organize  
such a valuable educational tour

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SL NO.	SUBJECT	PAPER NO.
01.	ZOOLOGICAL EXCURSION	1
02.	IMPORTANCE OF ZOOLOGICAL, EXCURSION	2
03.	PLACE OF JOURNEY AND DATE OF JOURNEY	3
04.	TEAM MEMBERS OF DIGHA EXCURSION	4-5
05.	GUIDENCE OF OUR EXCURSION	6
06.	TOUR DIARY	7-10
07.	MANDAR MANI	10-11
08.	TALSARI BEACH	12-13
09.	DIGHA MOHONA	14-20
10.	HAPPY RETURNS	21

## ZOOLOGICAL EXCURSION

Zoological excursion is aimed at acquiring knowledge about their own habitat, their life cycle pattern, their behaviour and their interaction. A student not only gains knowledge about the habitat i.e., Masine area in case of our trip but also to have a glance of the diversity of the animal fauna each in its own niche and a greater areas of habitat and in the ecosystem play its important roles.

Thus zoological excursion is not only a pleasure trip for us but a learning experience for a student of zoology. It is also an exciting and memorable memory for us.



## PLACE OF JOURNEY

- \* Mandasmani and its surroundings
- \* Tal Sauti
- \* Digha Mohona

## DATE OF JOURNEY

19.12.2022 ——— 20.12.2022

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## IMPORTANCE OF ZOOLOGICAL EXCURSION

It was a director of education should reduce the time taken by lecture to one third of that time taken at present and make attendance in the field compulsory three hours a day"

—C.G. ROBERTSON

"The book worm" may have plenty of theoretical knowledge, but all are incomplete and worthless as they lack of the power of application.

There fore field study is arranged which may be concluded on the "Education without excursion"



FIG:- OUJI TOUJI Team



## TEAM MEMBERS OF DIGHA EXCURSION

1. Biswasjit Das
2. Sibaprasad Manna
3. Kotishnendu Jana
4. Souman Acharya
5. Tanushree Gayen
6. Barsha Das
7. Rinki Khatua
8. Abhinandan Jana
9. Dibyendu Paramanik
10. Souvik Das
11. Subhasit Maity
12. Sanjay Ghosh
13. Nayanika Jana
14. Santanu Sasmal
15. Kartick Jana

## Mandarmoni [1st visited spot]

We went to Mandarmoni at 9 a.m on 10.12.22

It is located on the shore of the Bay of Bengal. This beach is 13 km long. Mandarmoni beach is surrounded by coral reefs, and jelly fish, shell fish, squids and tiny sea fish.

METHODOLOGY: During sample collections and observation, type of the substrate, abundance, habit and habitats of individual species were noted. Specimens were preserved in 70% Alcohol or in 10% Formalin after proper narcotization and attempts were made to identify all the collected specimens up to species level when ever possible.

### Survey report

NO	Scientific name	Local name	Phylum
1.	<u>Aurelia</u> sp.	Jelly Fish	Cnidaria
2.	<u>Asterias</u> sp.	Starfish / Sea star	Chordata

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FIG:- Austelia sp.



FIG:- Asterias sp.



## Talsavri Beach [2nd visited spot]

We went to Talsavri beach at 3:00 P.M. is constitute apart of the alluvium coast the Subarnarekha delta plain located at northeastern side of Balasore district of Odisha and hardly 10-15 km away from Digha. Geographical co-ordination of Talsavri is bounded in between  $21^{\circ}35'48''$  Northern Latitude and wide beach. The estuary of the river Subarnarekha is 0.5 km to 1.5 km wide several types of marine habitats are found in this small area (2.5 sq km only), different types of faunal composition are found here in distinct zonation.

METHODOLOGY: During sample collections and observation, type of the substrate, abundance, habit and habitats of individual species were noted. Specimens were preserved in 70% alcohol after proper narcotization and attempts were made to identify all the collected specimens upto species level whenever possible.

## Digha Mohona

We went to Digha Mohona at morning time. Mohona means estuary in Bengali. Digha Mohona is located very close to Digha beach. Actually it is one end of the Digha beach. Along the fish market there are stalls selling dry fish (shutki) and various types of fishes like as vetki, pomfret, Bombay duck, eel, sting ray, shark, squid, cattle fish, octopus, ilish, catfish, shorimp,

METHODOLOGY: During sample collections and observation, type of the substrate, abundance, habit and habitats of individual species were noted, specimens were preserved in 70% Alcohol and the collected specimens up to species level whenever possible

### SURVEY REPORT

List of collected specimens in Digha Mohona

1. sting-ray (Trigloporus sp.)
2. Shark (Scoliodon sp.)
3. Eel (Anquilla sp.)
4. Bombay duck (Haripodon nehevius)

# Survey Report

1. common jelly fish (Aurelia SP.)
2. star fish (Asterias SP.)
3. sea anemone (Metridium SP.)

NO	scientific name	Local name	phylum
1.	<u>Aurelia</u> SP.	common jelly fish	cnidaria
2.	<u>Asterias</u> SP.	sea star/star fish	Chordata
3.	<u>Metridium</u> SP.	sea anemone	cnidaria



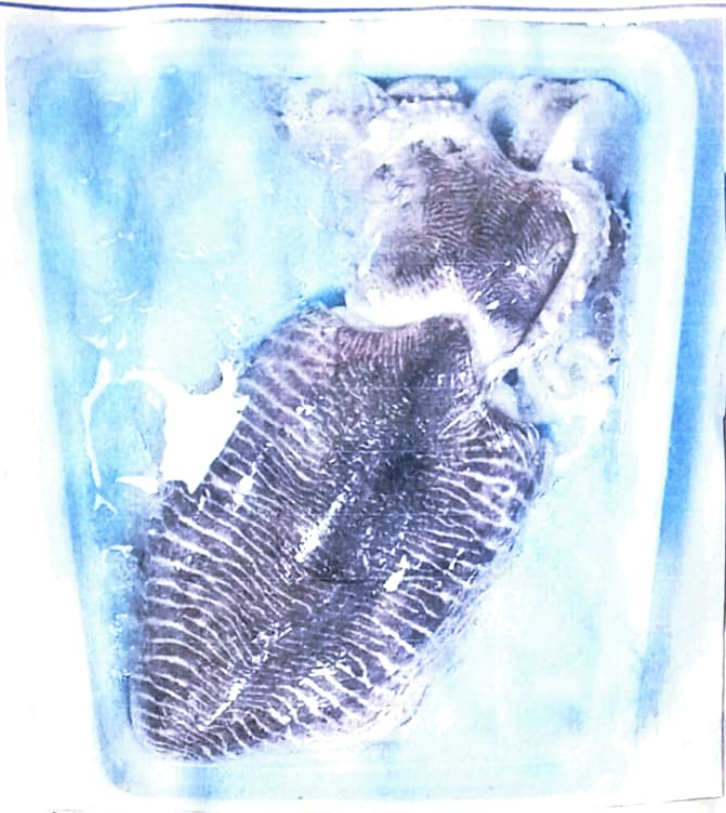


Fig:- Sepia SP.



Fig:- Macrobrachium Rosenberryi



Fig:- Crab



Fig:- Lobster

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5. Tiger prawn (Penaeus monodon)

6. Lobster

7. Octopus

8. Sepia

9. Loligo

10. Sea catlab

11. Hilsa fish

12. Pam poret

13. Latest Calcasifoot

NO	Scientific name	Local name	phylum
1.	<u>Trigon</u> SP.	Sting ray	choydata
2.	<u>scoliodon</u> SP.	Dogfish/shark	choydata
3.	<u>Anuilla</u> SP.	Bel fish	choydata
4.	<u>Harpodon nehesteus</u>	Bombay duck	choydata
5.	<u>Penaeus monodon</u>	Tiger prawn	Arthropoda
6.	<u>Sepia</u> SP.	cuttle fish	Mollusca
7.	<u>Loligo</u> SP.	Squid	Mollusca
8.	<u>Octopus</u> SP.	Devil fish	Mollusca
9.	<u>Lates Calcasifoot</u>	vetki	choydata
10.	<u>Pampus</u> SP.	Silver pomplet	choydata
11.	<u>Tenulosa illsha</u>	Shish fish	choydata



## HAPPY RETURNS

The tour was extremely fruitful joyous one such type of educational tour all ways boost us to gain plenty of knowledge with practical views. The tour was certaining "Digha Mohona and Mandut-mani and Talasoti" it was unique experiance. We all returned with hearts although, acquirning a diversified knowledge admixture with holy minute education from Marine habitat.

We are all grateful to our respected help the tour would not have been made possible.

T. Das  
19.01.23

Examined

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