

VIDYASAGAR UNIVERSITY



SWARNAMOYEE JOGENDRA NATH MAHAVIDYALAYA

SUB :- ZOOLOGY

FIELD NOTE BOOK

NAME :- SANJAY GIRI

B.Sc (H) : SEMESTER-III

Roll-1123152 No-210011

Registration No-VU211040306

SESSION: 2021-2022

2018

EXAMINED

প্রণিপাতেন পরিপ্রশ্নেন সেবয়া



Phone: 9932873484/7501133806

SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014
At+P.O.: Amdabad, P.S.: Nandigram, Dist.: PurbaMedinipur, PIN 721650
www.sjmahavidyalaya.in Email: sjmahavidyalaya@gmail.com

DEPARTMENT OF ZOOLOGY

TO WHOM IT MAY CONCERN



This is to certify that Sanjay Giri Roll 1123152
No 210011, Registration No. YU211040306 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 Bioreserve Digha and its
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.

Raman
05/01/23

Dr. Ratan Kumar Samanta

Principal

Swarnamoyee Jogendranath Mahavidyalaya
Amdabad :: Purba Medinipur :: Pin-721650

T. Das
05.01.23

Miss. Tanushree Das

Head of the Department,
Department of Zoology

Swarnamoyee Jogendranath Mahavidyalaya
At+P.O.: Amdabad, P.S.: Nandigram, Purba Medinipur, Pin-721650

ACKNOWLEDGEMENT

With deep sense of our respect, we would like to express sincere gratitude to our most respectful teacher Dr. Ratan Kumar Samanta, Dr. Anindya Kisor Bhumiik, Mrs. Tanushree Das and non-teaching staff Pradip Kumar Das, Sujon Kumar Majhi. The department of zoology Swarnamoyee Jogendranath Mahavidyalaya for organizing and participating in the said excursion to Digba and its surroundings.

We also thank to the authorities for giving us permission to visit Digba and its Biological observation under different habitats of animals.

We also thank our honourable principal of the college, Dr. Ratan Kumar Samanta for giving us permission to organize such a valuable educational tour.

Sanjay Giri

CONTENTS

NO	SUBJECTS	page
1.	ZOOLOGICAL EXCURSION	1
2.	IMPORTANCE OF ZOOLOGICAL EXCURSION	2
3.	PLACE OF JOURNEY	3
4.	TEAM MEMBERS OF DIGHA EXCURSION	4
5.	GUIDENCE OF OUR EXCURSION	5
6.	TOUR DIARY	6-7
7.	Mandarmoni	8
8.	Talsari Beach	9-10
9.	Survey Report	10
10.	Digha Mohona	11-12
11.	Happy Returrence	13

EXAMINED

ZOOLOGICAL EXCURSION

1

Zoological Excursion is aimed at acquiring knowledge in their own habitat, their life cycle pattern, their behaviour and their interaction. As students not only gain knowledge about the habitat and its area in case of our trip but also to have a glance of the diversity of these animals and their own niche and a greater area of habitat and in the ecosystem study its important roles. Thus zoological excursion is not only a pleasure trip for us but a learning for a student of zoology. It is also an exciting and memorable memory for us.

IMPORTANCE OF ZOOLOGICAL EXCURSION

②

"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. Roberison

"The book worm" may have plenty of theoretical knowledge, but all are incomplete and worthless as they lack of the power of application. Therefore field study is arranged which may be concluded on the Education without excursion."

PLACE OF JOURNEY

1. Mandarmani and its surroundings.
2. Talsari
3. Digha Mohona

Date of Journey

19/12/2022 to 20/12/2022



Fig:- Our Tour Team

TEAM MEMBERS OF DIGHA EXCURSION

1. Sanjay Giri
2. Biswajit Das
3. Krishnendu Jana
4. Souman Acharya
5. Tanushree Gayan
6. Barsha Das
7. Rinki Khafua
8. Abhinandan Jana
9. Dibyendu Pramanik
10. Souvik Das
11. Subhajit Maity
12. Nayanika Jana
13. Santanu Sasmal
14. Kartick Jana
15. Sibaprasad Manna

GUIDENCE OF OUR EXCURSION

5

- The Teachers —

1. Dr. Ratan kumar samanta
2. Dr. Anindya kisor Bhoumik
3. Mr. Tanushree Das

- Laboratory staff members —

1. Pradip kumar Das
2. Sujon kumar Majhi

TOUR DIARY

⑥

Day: → 01

Date → 19.12.22

Journey starts from Amdabad to Digha by ~~the~~ three car at morning. Arrive at Mandarmani sea beach and observed the specimen. Then we went to hotel. After lanch we went to Talsari sea beach. Then return back to hotel at.

Day - 02

Date → 20/12/2022 ⑦

Visit to Digha Mohona and Fish Market at morning and we collected some specimen. After breakfast check out hotel and perform their proceed for Amdabad by car.

Arrive Amdabad at 3:30 PM and excursion end.

EXAMINED



Fig:→ Aurelia sp.

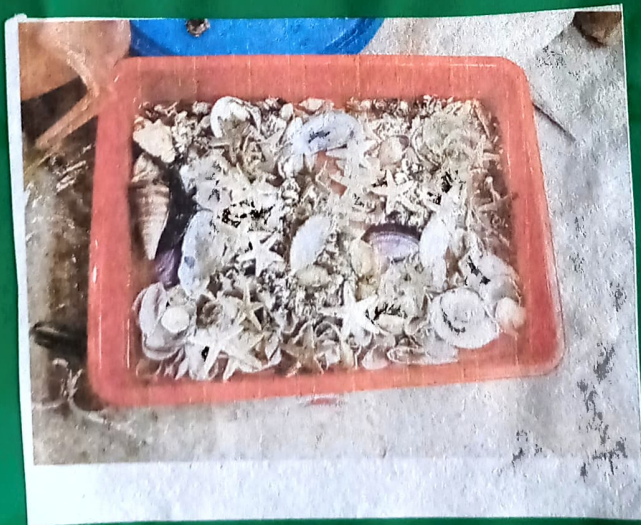


Fig:- Asterias sp.

←: Mandarmoni :→

(8)

We went to Mandarmoni at 9AM on 19.12.2022. It is located on the shores of the Bay of Bengal. This beach is 13 km long Mandarmoni sea beach surrounded by red crabs and Jelly fish, shell fish, squids and tiny sea fisher.

METHODOLOGY

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

SURVEL REPORT

NO	Scientific Name	Local Name	pyylum
1.	<u>Aurelia</u> sp	Jelly fish	Cnidaria
2.	<u>Asterias</u> sp	starfish / sea star	Echinodermata

EXAMINED



Fig:- Separation of Specimen

←: Talsari Beach :→

9

We went to Talsari beach at 3:00 PM is constitute apart of the allurium coast the subarnarekha delta plain located at northestern side of Balsore district of odisha and hardly 10-15 km away from Digha. Geographical co-ordination of Talsari 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 type of marine habitats are found in this small area (2.5 sq km only) different type of bounal composition are found here in distinct zonation.

METHODOLOGY

During sample collections and observation itype of the substrate, abundance, habit and habitats of individual specie were noted. Specimens were preserved in 70% alcohol after proper narcotization and attempS were made to identify all the collected specimens up to species level whenever possible.

EXAMINED

Survey Report

10

1. Common Jelly fish (Aurelia sp.)
2. Star fish (Asterias sp.)
3. Sea anacemone (Metridium sp.)

NO	Scientific Name	Local Name	Phylum
1.	<u>Aurelia</u> sp	Common Jelly fish	Cnidaria
2.	<u>Asterias</u> sp	Star fish / sea star	Echinodermata
3.	<u>Metridium</u> sp.	Sea anacemone	Cnidaria

←! Digha Mohona !→

(11)

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, cutopus, ilish, crab, shrimp.

METHODOLOGY

During sample collection 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 (Trigon sp)
2. Shark (scoliodon sp)
3. Eel (Anquilla sp)
4. Bombay duck (Arapodon nenericus)
- 5.
6. Lobster
7. octopus
8. sepia
9. Loligo
10. sea crab
11. Hilsha fish
12. Pomfret
13. Later calarri ber



Fig:- Dry Fish



Fig:- Peneus monodon

EXAMINED



Fig:- Pampus sp.



Fig:- Loligo sp.

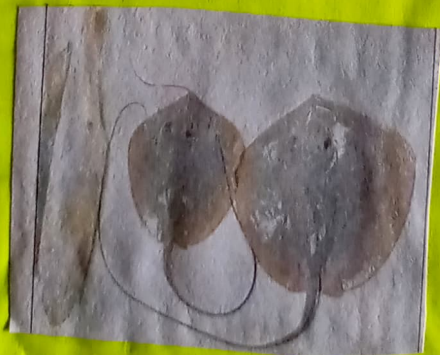


Fig:- Trigon sp.



Fig:- sepia sp.



Fig:- Macrobrachium rosenbergi

EXAMINED



Fig:- Crab



Fig:- Octopus sp.



Fig:- Lobster



Fig:- Tenuvalosa sp.

<u>NO</u>	<u>Scientific Name</u>	<u>Local Name</u>	<u>phylum</u> ⁽¹¹⁾
1	Trigon sp	Sting ray	chordata
2	scyliodon sp	Dogfish / shark	chordata
3	Anuilla sp	Eel fish	chordata
4	Harpodon nehereus	Bombay duck	Chordata
5	Pacneus monodon	Tiger prawn	Arthoropoda
6	sepia sp	cuttle fish	Mollusca
7	Loligo sp	Squid	Mollusca
8	octopus sp	Devil fish	Mollusca
9	Lates calcariter	vetki	chordata
10	pampus sp	silver pomfret	chordata
11	Tenualosa ilisha	Ilish fish	Chordata