

VIDYASAGAR UNIVERSITY



SWARNAMOYEE JOGENDRA NATH MAHAVIDYALAYA
SUB :- ZOOLOGY

FIELD NOTE BOOK

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B.Sc (H) : SEMESTER-III

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SESSION: 2021-2022

EXAMINED
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আগিপাতেন পরিপ্রশ্নে সেবয়া



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Govt. Aided General Degree College | Estd.: 2014

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DEPARTMENT OF ZOOLOGY

TO WHOM IT MAY CONCERN



This is to certify that Biswajit Das..... Roll 1123152
No 210004....., Registration No. VU211040220 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 Bioseserve (oigha 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.

B Samanta 05/01/23

Dr. Ratan Kumar Samanta
Principal

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

T. Das 05.01.23

Miss. Tanushree Das
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ACKNOWLEDGEMENT

With, deep, sense of our respect, we would like sincere gratitude to our most respectful teachers, Dr. Ratan Kumar Samanta, Dr. Anindya Kisor Bhaumik, Ms. Tanushree Das and non teaching staff Pradip Kumar Das, Sujan Kumar Maiti. The department of Zoology, Swarnameyee 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 honourable principal of the college, Dr. Ratan Kumar Samanta for giving us permission to organize such a valuable educational tour.

Biswajit Das.

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ZOOLOGICAL EXCURSION

Zoological excursion is aimed at acquiring knowledge in their own habitat, their life cycle pattern, their behaviour and their interaction. A student not only gains knowledge about the habitat Marine 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.

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 we 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

- Mandarmani and its surroundings.
- Talsari.
- Digha Mohona.

DATE OF JOURNEY

• 10.12.22 - 20.12.2022



Fig:- Our Tour Team

TEAM MEMBERS OF DIGHA EXCURSION

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

GUIDENCE OF OUR EXCURSION

• The Teachers —

1. Dr. Ratan kumar Samanta.
2. Dr. Anindya kisor Bhaumik.
3. Ms. Tanushree Das.

• Laboratory staff members —

1. Pradip kumar Das.
2. Sujan kumar Majhi.

TOUR DIARY

Day :- 01

Date :- 19.12.2022

Journey starts from Ahmedabad to Digha by two cars at morning arrive of Mandaramoni sea beach and observed the specimen. Then we went to hotel. After lunch, we went to Talsari sea beach. Then return back to hotel.

Day:-02

Date- 20/12/2022

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 P.M and excursion end.



Fig:- Aurelia SP.



Fig:- Asterias SP.

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MANDARMONI

We went to Mandarmoni at 9 a.m on 19.12.22. 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 Jellyfish, shell fish, squids and tiny sea fishers.

METHODOLOGY

During sample collections and observation, type of the substrate, abundance, habit and habitat 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 whenever possible.

SURVEL REPORT

S.L No	Scientific name	Local name	Phylum
1	<u>Aurelia</u> sp.	Jelly fish	Cnidaria
2	<u>Asterias</u> sp.	Starfish / sea star	Echinodermata.



Separation of Specimen

TALSARI BEACH

We went to Talsari 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 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 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 samples collections and observation, type of the substrate, abundance, habit and habitats of individual species were noted. Specimens were preserved in 10% alcohol after proper narcotization and attempts were made to identify all the collected specimens up to species level whenever possible.

SURVEY REPORT

01. Common Jelly fish (*Aurelia* sp.)
02. Star fish (*Asterias* sp.)
03. Sea anaemone (*Metridium* sp.)

S.L NO	scientific name	Local name	Phylum
1	<u>Aurelia</u> sp.	Common Jellyfish	Cnidaria
2	<u>Asterias</u> sp.	star fish / sea star	Echinodermata
3	<u>Metridium</u> sp.	Sea anaemone	cnidaria

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 and various types of fishes like as vetki, Pomfret, Bombay duck, Eel, sting ray, shark, squid, cattle fish, octopus, ilish, crab, shrimp.

● 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

01. Sting-Ray (*Trigon* sp.)
02. Shark (*Scoliodon* sp.)
03. Eel (*Anuilla* sp.)
04. Bombay duck (*Harpodon neheus*)
05. Lobster.
06. Octopus.
07. Sepia.
08. Loligo.
09. Sea crab.
10. Hilsa fish.
11. Pomfret.
12. Latero calcalifers.



Fig:- Octopus SP.



Fig:- Tenuulosa SP.

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Fig:-Crab



Fig:- Lobster



Fig:- Sepia sp.



Fig:- Machobranchium rosenbergi



Fig:- Pampus sp.



Fig:- Loligo sp.

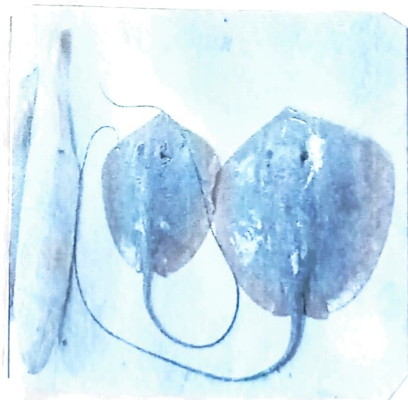


Fig:- Trigon sp.

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Fig:- Dry fish



Fig:- Penuas monodon

EXAMINED

S.L NO	Scientific name	Local name	Phylum
01.	<u>Trigon</u> SP.	Sting ray	Chordata
02.	<u>Scoliodon</u> SP.	Shank/ Dog fish	Chordata
03.	<u>Anuina</u> SP.	Bel fish	Chordata
04.	<u>Hemiodon neherus</u>	Bombay duck	Chordata
05.	<u>Palaeus monodon</u>	Tiger prawn	Arthropoda
06.	<u>Sepia</u> SP.	Cattle fish	Mollusca
07.	<u>Loligo</u> SP.	Stuid	Mollusca
08.	<u>Octopus</u> SP.	Deniu fish	Mollusca
09.	<u>Lates Calcarifer</u>	Vetki	Chordata
10	<u>Pampus</u> SP.	Silver pomfret	Chordata
11.	<u>Tenualosa ilisha</u>	Ilish fish	Chordata

EXAMINED

HAPPY RETURNS

The tour was extremely fruitful & joyous one. Such type of educational tour always boost us to gain plenty of knowledge with practical views. The tour was certainly blessed a tool to serve the varied species containing "Digha Mohona and Mandarmani and Talsari". It was unique experience. We all returned with hearts although, acquiring a diversified knowledge admixture with holy minute education from Marine habitat.

We are all grateful to our respected teachers with out whose kind guidance, and help the tour would not have been made possible.

T. Das
19.01.23

Examiner
DM

EXAMINER