

VIDYASAGAR UNIVERSITY



SWARNAMOYEE JOGENDRA NATH MAHAVIDYALAYA

SUB :- ZOOLOGY

FILD NOTE BOOK

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B.Sc (H) : SEMESTER-III

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SESSION: 2021-2023 T.Das

EXAMINED



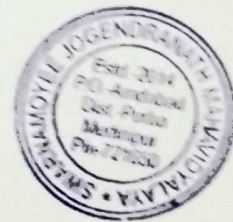
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SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

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DEPARTMENT OF ZOOLOGY

TO WHOM IT MAY CONCERN



This is to certify that *Krishnendu Jana* Roll *1123152*
No. *210008* Registration No. *VU211040303* 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 marine Biosphere Reserve (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
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ACKNOWLEDGEMENT

With deep sense of our respect, we would like to sincere gratitude to our most respectful teachers Dr. Ratan Kumar Samanta, Dr. Anidya Kison Bhoumik, Ms. Tanushree Das and non teaching staff Pradip Kumar Das, Sujjan Kumar Majhi. The Department of Zoology, Swarnamoyee Jyogendranath Mahavidyalaya for organizing and participating the said excursion to Digha and its surrounding.

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

We are also thanks our honourable Principal of college, Dr. Ratan Kumar Samanta for giving us permission to organize such a valuable education tour.

Krishnendu Jana

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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. 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 the animal fauna each in its own niche and a greater area of habitat and in the ecosystem play its important roles.

The 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.

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IMPORTANCE OF ZOOLOGICAL EXCURSION

"It was a director of education showed 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 bookworm" may have plenty of theoretical knowledge, but all are incomplete and worthless as they lack of the powers of application.

Therefore field study is arranged which may be concluded on the education with out excursion.

PLACE OF JOURNEY

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

DATE OF JOURNEY

19.12.22 - 20.12.22



Fig:- Our Town Team

TEAM MEMBERS OF DIGHA EXCURSION

1. Krishnendu Jana.
2. Souman Acharya.
3. Biswajit Das.
4. Barsha Das.
5. Abhinandan Jana.
6. Dibyendu pramanik.
7. Tanusree Gayen.
8. Nayanika Jana.
9. Rinki Khatua.
10. Sibaprasad Manna.
11. Souvik Das.
12. Subhajit Maity.
13. Sanjay Gini.
14. Santanu Sasmal.
15. Kartik Jana.

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GUIDENCE OF OUR EXCURSION

• The Teachers -

1. Dr. Ratan Kumar Samanta.
2. Dr. Anindya Kison Bhoumik.
3. Ms. Tanushree Das.

• Laboratory staff members -

1. Pradip Kumar Das.
2. Sujan Kumar Majhi.

TOUR DIARY

Day :- 01

Date - 19.12.22

Journey starts from Amdabad to Digha by three cars at morning. Arrival at Mandarmoni 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 new Digha.

Day-02

Date- 20.12.22

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

Arrive Amdabad at 3.30p.m. and excursion end.



Fig:- Aurelia sp.

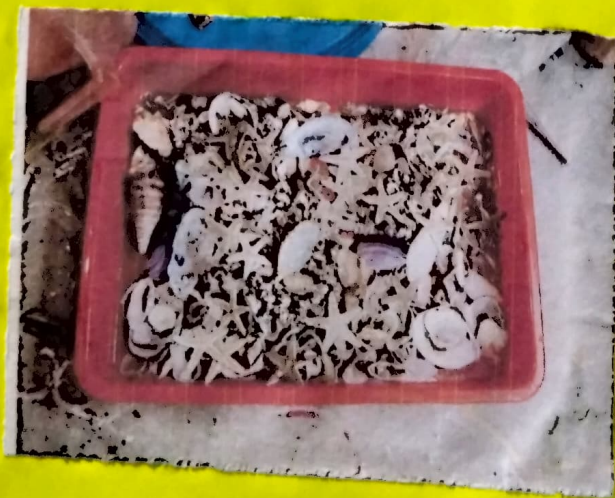


Fig:- Asterias sp.

MANDARMONI

We went to Mandarmoni at 9. am. on 19.12.22
It is located on the shore of the Bay of Bengal. This beach is 13 Km long. Mandarmoni sea beach surround by red corals and Jelly fish, shellfish, squids and tiny sea fisher.

METHODOLOGY:-

During sample collections and observations type of the substrate, abundance, habit and habitats of individual species were noted. specimen were preserved in 10% Alcohol or in 10% formalin after proper narcotization and attempts were made to identify all the collected specimens upto species level whenever possible.

Survey Report :-

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

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separation of specimen.



TALSARI BEACH

We went to Talsari beach at 3.00pm, is consititue apert of the allunium coast the subarnarekha Delta plain located at northeastern side of Balasore district of Odisha and hardly 10-15 Km away from Digha. Geographically co. ordination of Talsari is bounded in between 21°35'45" Northern latitude and wild 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 different types of founal composition are found here in zonation.

METHODOLOGY:

During sample collection and observations type of substrate, abundance, habitat and habitats of individual species were noted. Specimens were preserved in 10% akhole after proper narcotization and attempts were made to identify all the collected specimens upto species level whenever possible.

SURVEY REPORT:-

NO	Scientific Name	Local Name	phylum
1.	<u>Aurelia</u> sp.	common Jelly fish	Cnidaria
2.	<u>Asterias</u> sp.	seastar/star fish	Echinodermata
3.	<u>Metridium</u> sp.	sea anemone	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 (shutki) and various types of fish like as vetki, Bombay duck, Fel, sting ray, shark, squid, cattle fish, octopus, ilish, crab, shrimp.

METHODOLOGY :-

During sample collections and observations type of the substrate, abundance, habit and habitats of individual species were noted. Specimens were preserved in 10% Alcohol and the collected specimens up to species level whenever possible.

SURVEY REPORT :-

List of collected specimens in Digha Mohona

1. Sting Ray.
2. Shark.
3. Fel.
4. Bombay Duck.
5. Tiger prawn.
6. Lobster.
7. Octopus.
8. Sepia.
9. Loligo.
10. Sea crab.



Fig:- Dry fish



Fig:- pernew monodon

RECORDED



Fig:- Pampus sp.



Fig:- Loligo sp.



Fig:- Trigon sp.



Fig:- sepia sp.



Fig:- Macrobrachium rosenber



Fig:- Crab



Fig:- Lobster

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Fig: octopus sp.

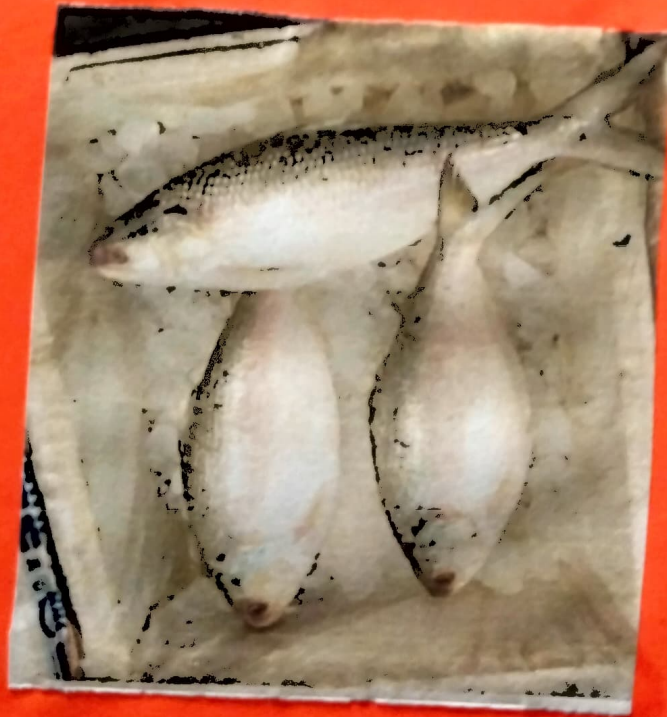


Fig:- Tenuwalosa sp.

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11. Hilsha fish.
12. pomfret.
13. Lates calcarifer.

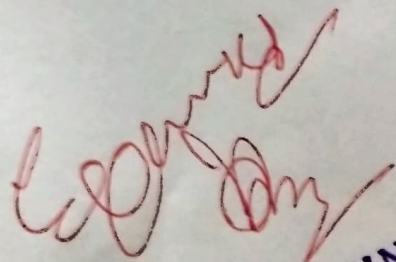
NO.	Scientific Name	Local Name	Phylum
1.	<u>Trigon</u> sp.	Sting ray	chordata
2.	<u>Scoliodon</u> sp.	Dogfish / shark	chordata
3.	<u>Anuilia</u> sp.	Eel fish	chordata
4.	<u>Harpodon nehereg</u>	Bombay Duck	chordata
5.	<u>Paenaeus monodum</u>	Tiger prawn	Arthropoda
6.	<u>Sepia</u> sp.	cattle fish	Mollusca
7.	<u>Loligo</u> sp.	squid	Mollusca
8.	<u>Octopus</u> sp.	Devil fish	Mollusca
9.	<u>Lates calcarifer</u>	vetki	chordata
10.	<u>pampus</u> sp.	silver pomfret	chordata
11.	<u>Tenulasa ilisha</u>	Elish fish	chordata

HAPPY RETURNS

The tour was extremely faithful 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 Mandanmani and Talsani". 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 without whose kind guidance, and help the tour would not have been made possible.

T. Das
19/01/23



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