

VIDYASAGAR UNIVERSITY



SWARNAMOYEE JOGENDRA NATH MAHAVIDYALAYA

SUB :- ZOOLOGY

FILD NOTE BOOK

NAME :- RINKI KHATUA

B.Sc (H) : SEMESTER-III

Roll-1123152 No-210010

Registration No-VU211040305

SESSION: 2021-2023

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 Rinki Khatua Roll 1123152
No 210010, Registration No. VU211040305 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
..... Sumounding)

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.

Ramanab 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,
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ACKNOWLEDGEMENT

With, deep sense of our respect, we would like to
express gratitude to our most respectful teachers Dr. Ratan
Kumar Samanta, Dr. Anindya Kisor Bhaumik, Ms. Tanushree
Das and non teaching staff Pradip Kumar Das, Sa Jan Kumar
Majhi. The department of zoology Swarnamoyee Jogendra-
nath Mahavidyalaya for organizing and participating
the said excursion to Digba and its surrounding.

We are also thankful to the authorities for
giving us permission to visit Digba its ^{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.

ZOOLOGICAL EXCURSION

Zoological excursion is aimed acquiring knowledge in their own habitat, their life cycle pattern, their behaviours and their interaction. A student not only gain knowledge about the habitat ^{Magazine 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 a 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 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 the power of application. There is no field study in arranged which may be concluded on the Education without excursion.

PLACE OF JOURNEY

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

DATE OF JOURNEY

19.12.22 - 20.12.22

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Fig :- Our Tour Team

TEAM MEMBERS OF DIGHA EXCURSION

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

GUIDENCE OF OUR EXCURSION

The Teachers

1. Dr. Ratan Kumar Samanta.
2. Dr. Anidya Kisor Bhaumik.
3. Ms. Tanushree Das

Laboratory staff Members

1. Pradip Kumar Das
11. Sujan Kumar Majhi

TOUR DIARY

Day-1

Date -19.12.22

Journey starts from Amdabad to Digha by the car in Morning. Arrive at Mandarmoni sea beach and observed for specimen. Then we went to hotel. After lunch we went to Talsari sea beach. Then return back to hotel at.

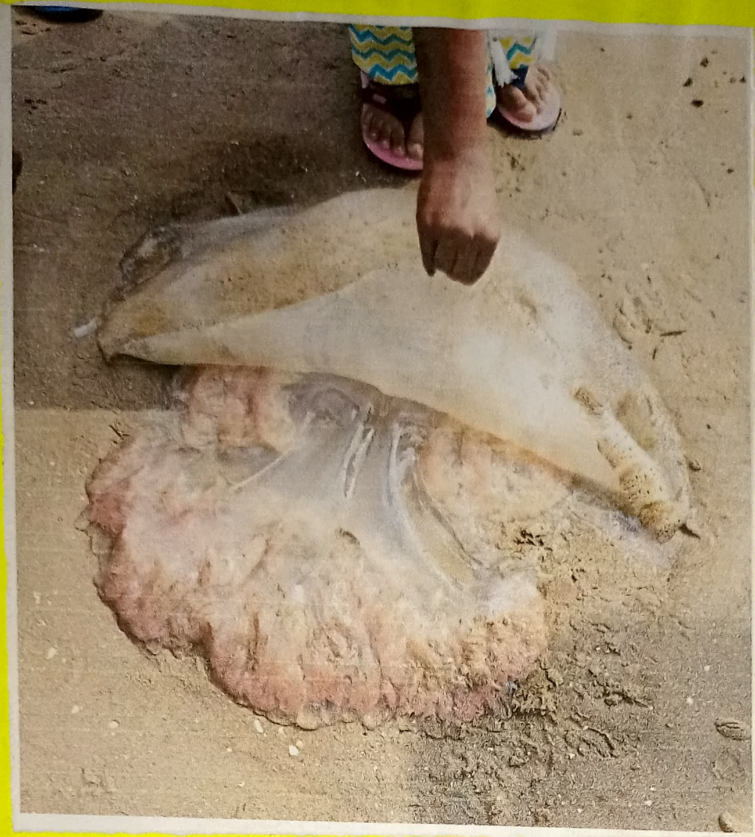
Day-2

date - 20/12/22

visit to Digha Mohona and ~~also~~ Fish Market at
Morning we collected some specimen. After break
fast, check out hotel and proborm their proceed for
Amdalbad by car.

Arrive Amdalbad at 3:30 p.m and excursion end.

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MANDARMONI

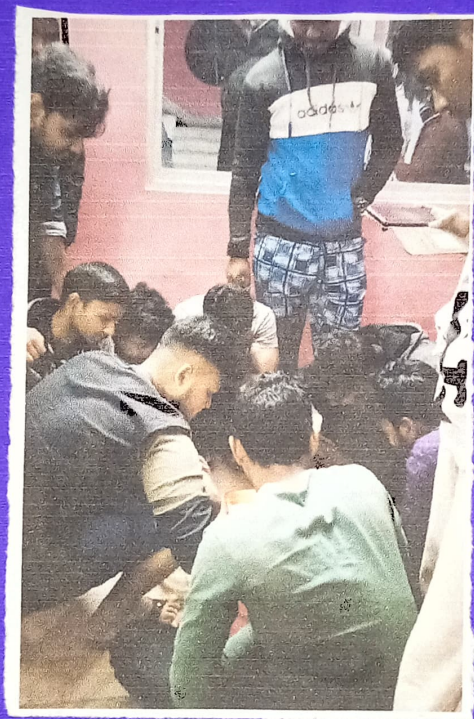
We went to Mandarmoni at 9 a.m on 19.12.22. It is located on the shores of the Bay of Bengal. This beach is 13 Km long. Mandarmoni sea beach surrounded by red corals and Jelly fish, shell fish, squids and tiny sea fishes.

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.

Survey report

NO	Scientific Name	Local name	Phylum
1.	Aurelia sp.	Jelly fish	Cnidaria
2.	Asterias sp.	starfish / sea star	Echinodermata



TALSARI BEACH

We went to Talsari beach at 3:00 p.m. It constitutes a part of the alluvium coast the Subarnarekha delta plain located at northeastern side of Balasore district of Odisha and hardly 10-15 km away from Bigha. 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 (2.5-3 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 up to species level whenever possible.

Survey Report

1. Common Jelly fish (Amurelia sp.)
2. Star fish (Asterias sp.)
3. Sea anemone (Metridium sp.)

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 many fish (shutki) and various types of fishes like as vetki, pomfret, Bombay duck, Eel, sting ray, shark, squid, cattle fish, octopus, fisherab, shrimp.

METHODOLOGY

During sample collections and observations, type of the substrate, abundance, habitat 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 (Anuilla sp.)
4. Bombay duck (Harpodon nheraeus)
- 5.
6. Lobster
7. octopus
8. Sepia
9. Loligo
10. Sea crabs

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11. Hilsha fish
12. pambret
13. later calcariter

No	scientific name	local name	phylum
1.	<u>Trigon</u> sp.	sting ray	chordata
2.	<u>Scoriodom</u> sp.	dog fish / shark	chordata
3.	<u>Anquilla</u> sp	Eel fish	chordata
4.	<u>Harpodom</u> neherney	Bombay duck	chordata
5.	<u>paeneus</u> monodom	Tiger prawn	arthropoda
6.	<u>Sepia</u> sp	cuttle fish	Mollusca
7.	<u>Loligo</u> sp.	Squid	Mollusca
8.	<u>Octopus</u> sp.	Dexil fish	Mollusca
9.	later Calcariter	vetki	chordata
10.	<u>Pampus</u> sp	silver pambret	chordata
11.	<u>Temnotosa</u> Ilisha	Ilsh fish	chordata

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HAPPY RETURNES

The tour was extremely fruitful Joyous on 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 Mandarmoni and Talsani". It was unigue experiance we all returned with hearts although, acqumming a diversibied knowledge admixture with holy minute education from marine habitat.

we are all greatful to our respected teachers without whose kind guidance and help the tour would not have been made possible.

T. Das
19.01.23

EXAMINER