

VIDYASAGAR UNIVERSITY



SWARNAMOYEE JOGENDRA NATH MAHAVIDYALAYA

SUB :- ZOOLOGY

FILD NOTE BOOK

NAME :- KARTICK JANA

B.Sc (H) : SEMESTER-III

Roll-1123152

No-210007

Registration No-VU211040302

SESSION: 2021 - 2022



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 Korlick Jana Roll 1123152
No 26007, Registration No. W211040302 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 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.

Ramananda 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
Amdabad, P.S.- Nandigram, Purba Medinipur, Pin- 721650

ACKNOWLEDGEMENT

With deep sense of our respect, we would like sincere gratitude to our most respectful teachers Dr. Ratan Kumar Samanta, Dr. Anindya Kisor Bhattacharya, Ms. Tanushree Das and non-teaching staff Pradip Kumar Das, Sujan Kumar Maithi. The department of Zoology, Swarnamoyee Jagendranath Mahavidyalaya for organizing and participating the said excursion to Digna and its surrounding.

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

We are also thanks our honorable Principal of the college, Dr. Ratan Kumar Samanta. For giving us permission to organize such a valuable educational tour.

Kanchan Jana

CONTENTS

SL NO.	SUBJECT	PAGE NO .
01.	ZOOLOGICAL EXCURSION	1.
02.	IMPORTANCE OF ZOOLOGI- -CAL , EXCURSION	2.
03.	PLACE OF JOURNEY AND DATE OF JOURNEY	3.
04.	TEAM MEMBERS OF DIGHA EXCURSION	4.
05.	GUIDENCE OF OUR EXCURSION	5.
06.	TOUR DIARY	6-7.
07.	MANDARMANI	8.
08.	TALSARI BEACH	9-10.
09.	DIGHA MOHONA	11-12
10.	HAPPY RETURNES	13.

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 gain knowledge about the habitat i.e.

Maximize areas in case of our trip but also to have a glance of the diversity of the animal Fauna each in this 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 meaning experience for a student of zoology. It is also an exciting and memorable memory for us.

IMPORTANCE OF ZOOLOGICAL EXCURSION

"It was a dimension of education should reduce, the time taken by lectures 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 powers of application. There form field study in arranged which may be concluded on the "Education without excursion."

PLACE OF JOURNEY

- ☑ Mandarmani and its surroundings
- ☑ Talsare
- ☑ Digha Mahana

DATE OF JOURNEY

19.12.2022 — 20.12.2022



FIG - Our Tours Team

TEAM MEMBERS OF DIGHA EXCURSION

1. Biswajit Das
2. Sibaprasad Manna
3. Krishnendu Jana
4. Soeman Acharya
5. Tanushree Gayen
6. Bansha Das
7. Rinke Khaitan
8. Abhinandan Jana
9. Dibyendu pramanik
10. Sorek Das
11. Subhjit Maity
12. Sanjay Ghose
13. Nayaneika Jana
14. Sanjane Sasmal
15. Harshika Jana

~~16.~~

GUIDENCE OF OUR EXCURSION

☒ The Teachers —

1. Dr. Palan Kumar Samanta
2. Dr. Anindya Kison Bhattacharya
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 Amdabadi to Digha by hired car at morning. Arrive at Mandarmoni Sea beach and observed the specimen. Then we went to hotel. After lunch we went to Jalsani Sea beach, then return back to hotel at New Digha.

Day :- 02

Date :- 20.12.2022

Visit to Digha Mahara and fish market at our morning we collected some specimen. After breakfast, check out hotel and from there proceed for Andabard by car.

Arrive Andabard at 3:30 PM and excursion end.



FIG - *Aurelia* Sp.



FIG - *Asiderias* Sp.

MANDARMONI

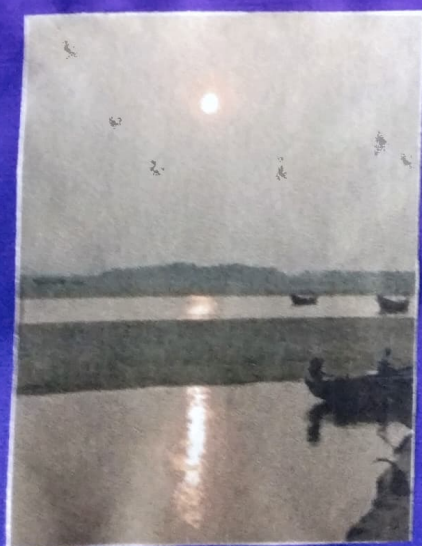
We went to mandarmoni at DAM on 19.12.2022 it is located on the shores of the Bay of Bengal. This beach is 13km long. Mandarmoni sea beach surrounded by mud crabs, And Jelly fish, Shell-fish, Squids and tiny sea fishes.

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 upto species level whenever possible.

SURVEY REPORT

Sl. No.	Scientific name	Local Name	Phylum
1.	Aurelia Sp.	Jelly fish	Cnidaria
2.	Asterias Sp.	Star fish/Seastar	Echinodermata



TALSARI BEACH

We went to Talsari beach at 3:00 P.M. is constitute apart of the alluvium east the Subarnarekha delta plain located at northern 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 (2.534 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.

MANDARMONI

We went to Mandarmoni at 9 Am 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 corals, And Jelly fish, Shell-fish, Squids and tiny sea fishes.

METHODOLOGY

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

SURVEY REPORT

List of collected specimens in Digba

Mohanae

1. Sting-Ray (Trigon sp.)
2. Shark (Squalodon sp.)
3. Eel (Anuilla sp.)
4. Bombay duck (Harpodon reteneus)
5. Tiger prawn (Paramees monodon)









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 lot to serve the varied species containing "Digha Mohona and Man dammani and Talsari". It was unique experience. We all returned with hearts although, acquiring a diversified knowledge admixtured 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

19.01.28