



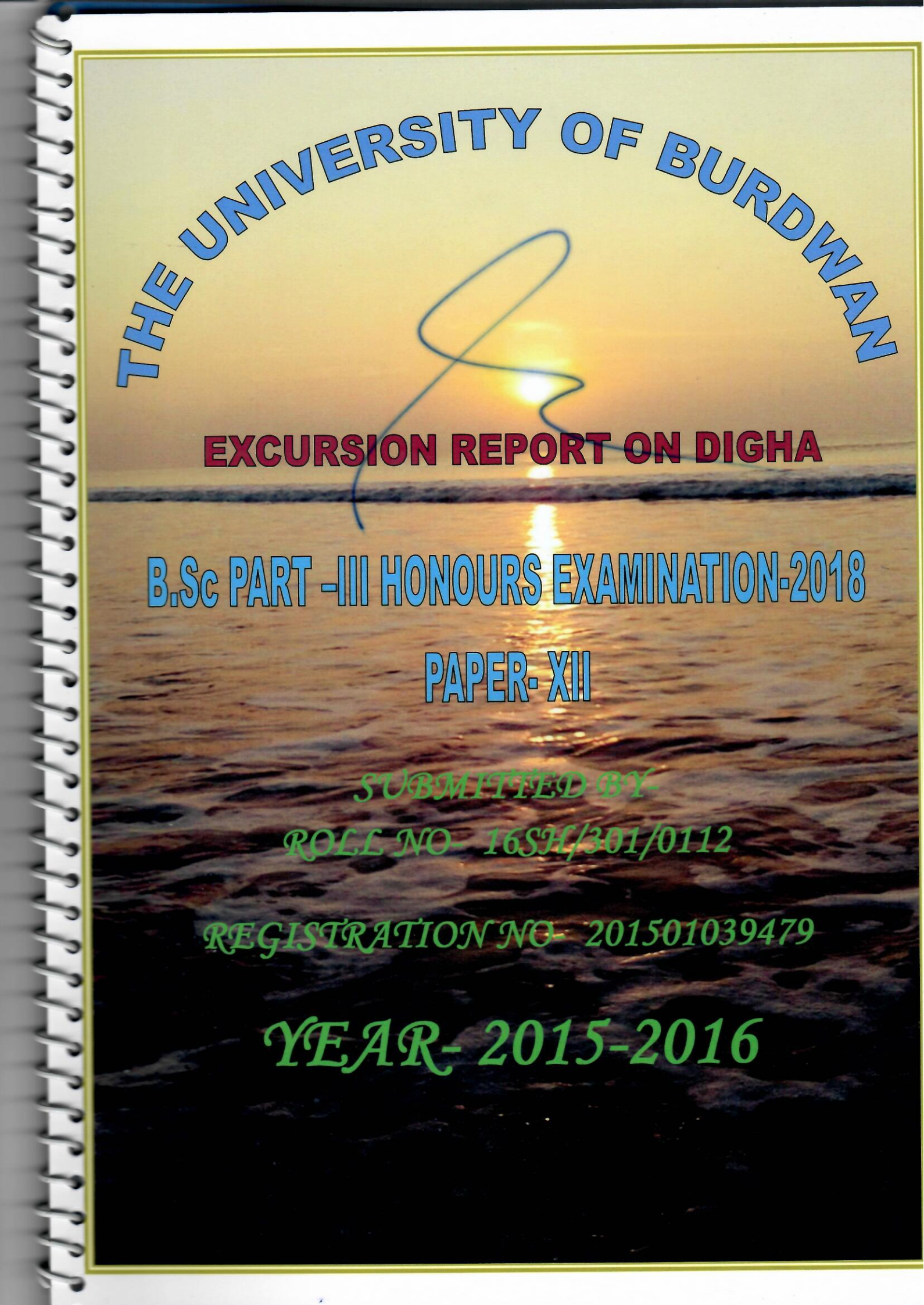


### 1.3.3

ZOOLOGY DEPARTMENT ABHEDANANDA MAHAVIDYALAYA,SAINTHIA,BIRBHUM EXCURSION							
YEAR	DATE	PLACE	STUDENT		NAME OF TEACHERS/ESCORT	Title of the Project	PHOTO
			MALE	FEMALE			
2015-16	8/03/2015-10/03/2015	SUNDARBAN,W.B	10	3	1.Dr Rajyosree Roy,2.Mr.Amit Roy	Crocodile conservation in Mangrove Forest	
2016-17	16/01/2016-18/01/2016	DIGHA COSTAL AREA,W.B	4	12	1.Dr.Arnab Roychaudhury,2.Mampi Dey,3.Amit Roy	To study about Marine Ecosystem	
2017-18	9/11/2017-11/11/2017	DIGHA COSTAL AREA,W.B	8	6	1.Prof Mampi Dey,2.Abdus Sattar3.Dr.Rayosree Roy	To study about biodiversity in Digha costal area	
2018-19	16/12/2018-19/12/2018	DIGHA COSTAL AREA,W.B	2	8	1.Prof Mampi Dey,2.Abdus Sattar	Compare Sp Diversity in Diffeerent Sae Beach of Digha	

**Scanned copy of field visit report of selected student**



THE UNIVERSITY OF BURDWAN

EXCURSION REPORT ON DIGHA

B.Sc PART -III HONOURS EXAMINATION-2018

PAPER- XII

SUBMITTED BY-

ROLL NO- 16SH/301/0112

REGISTRATION NO- 201501039479

YEAR- 2015-2016



# **CONTENTS**

## **SUBJECTS**

1. Purpose
2. Venue & equipment
3. Over view of the town
4. Our excursion team
5. Description of the site
6. Description of collected Specimens
7. Conclusion

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SURI VIDYASAGAR COLLEGE

# CERTIFICATE

This is certify that Sunil Das  
Roll 16SH/301 , No – 0112 and Registration  
No -201501039479 of the department of Zoology  
of Abhedananda Mahavidyalaya Sainthia .Birbhum  
took part in the excursion 2018 to Digha held on  
9<sup>th</sup> November 2017.

He thereby fulfilled the curriculum of  
B.Sc Zoology (Honours)  
Part –III Practical Examination.

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*Mamki Das 9/2/18*  
Signature

#### ACKNOWLEDGEMENT

I thankful to our teachers namely prof. Mampi Dey, Dr Rajashree Roy , prof. Abdus Sattar who were with us and also thankful to our lab attendant Amit Roy and my friends who gave me an enormous and great help throughout the trip.

Sunil Das.

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### VENUE AND EQUIPMENTS

We selected Digha coastal area as a site for excursion is situated in East Midnapore, West Bengal.

For collection and preservation of specimens, we took the following equipments:--

- Dissection Box
- Containers of different sizes
- Formalin
- Camera
- Polythene bags of different sizes.



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## OVERVIEW OF THE TOUR

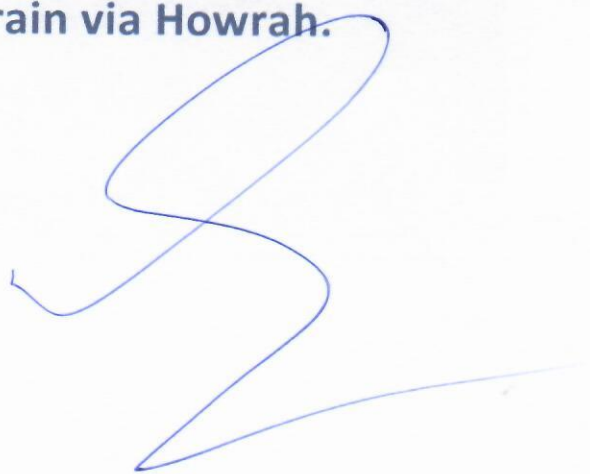
### DATE(9.11.17)-

- I. We started our journey from sainthia station at 7:40am by train.
- II. Then we reached Howrah station at 12 o'clock.
- III. We took our lunch at Howrah.
- IV. We again directed to our journey towards Digha by train.
- V. We reached Digha at 7:15pm.

### DATE(10.11.17)-

- I. Sunrise at Digha beach.
- II. Visit to Mohona at 9:40am.
- III. Took lunch in a hotel.
- IV. Visit to Marine aquarium at 2:30pm.
- V. Then visit to Digha Science city at 5:00pm.

### DATE(11.11.17)-

- I. Visit to Digha beach again at early morning.
  - II. Back to home by train via Howrah.
- 

### OUR EXCURSION TEAM

17 students (9 boys & 8 girls ) went to Digha coastal  
Area for excursion in guidance of prof. Mampi Dey,  
Dr Rajashree Roy, prof Abdus Sattar.

### NAME OF THE STUDENTS :-

1. JYOTIRMOY DAFADAR
2. FAKRUL ISLAM
3. SUNIL DAS
4. SOURAV GHOSH
5. SOURAV MUKHERJEE
6. KRISHNENDU BAKSHI
7. CHIRANTAN MONDAL
8. SITANATH PAL
9. KUNDAN SUTRADHAR
10. SUMANA ADHIKARI
11. ROSHMI GHOSH
12. SUSMITA MONDAL
13. MADHURIMA SINHA
14. ANAMIKA CHATTERJEE
15. ARUNIMA CHATTERJEE
16. MONALI MUKHERJEE
17. SEUTI THAKUR





### DESCRIPTION OF THE SITE

The Midnapur coast covers some of the west Bengal coastal tract extending along the west bank of Hoogly estuary from new Digha at the extreme south west point of the Midnapur District. The area lies between  $21^{\circ}20'$  to  $22^{\circ}2'$  north latitude and  $87^{\circ}20'$  to  $88^{\circ}5'$  east Longitude bounded by Hoogly and subarnarekha estuarine confluence with the Bay of Bengal.

The Midnapur coastal belt in its extension of 60km. Encompasses and diversified habitats and niche with accumulate a galaxy of faunal components in the form of pelagic and benthic forms.

#### CLIMATE:----

**Temperature-** Average  $26^{\circ}\text{c}$

**Humidity-** High humidity during Rainy season.



NAME OF THE SPECIMEN COLLECTED

At digha beach:-

1. Puffer Fish
2. Star Fish
3. Jelly Fish
4. Bhetki
5. Bata Fish

A. At Mohona :-

1. Squid
2. Shark
3. Cuttle Fish
4. Eel
5. Prawn
6. Balanus
7. Ribbon Fish
8. Gutter Fish
9. Pomfret







Common name- Jelly Fish

Scientific name- Aurelia sp.

SYSTEMETIC POSITION:-

Phylum- Cnidaria

Class- Scyphozoa

Order- Semmaeostomeae

CHARACTERS:---

1. Pendent manubrium is surrounded by four long oral arms.
2. Highly branched radial canal.
3. Horse-shoe shaped gonads, endodermal in origin.



Common Name:- Squid

Scientific Name:- Loligo sp.

SYSTEMETIC POSITION :---

Phylum- Mollusca

Class- Cephalopoda

Subclass- Coleoidea

CHARACTERS:---

1. Body elongated narrow and conical posteriorly.
2. Lateral fin wide and united posteriorly.
3. Head region contains an arm and 2 large tentacles.





Common Name:- Pomfret

Scientific Name:- Pampus sp.

SYSTEMETIC POSITION :---

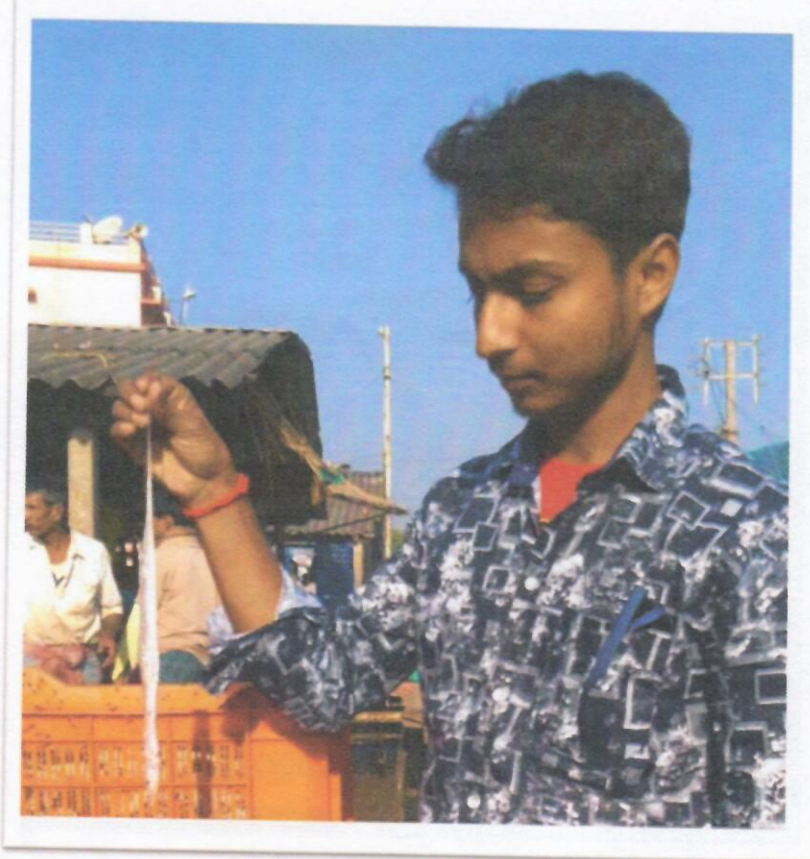
Class- Osteichthyes

Subclass- Actinopterygii

Order- periformes

CHARACTERS :---

1. Body short, elevated, compressed with rounded abdomen.
2. Caudal fin deeply forked.
3. Presence of short spines anterior to dorsal and anal fins.



**Common Name-** Ribbon Fish

**Scientific Name-** Trichiurus sp.

**SYSTEMETIC POSITION :---**

**Class-** Osteichthyes

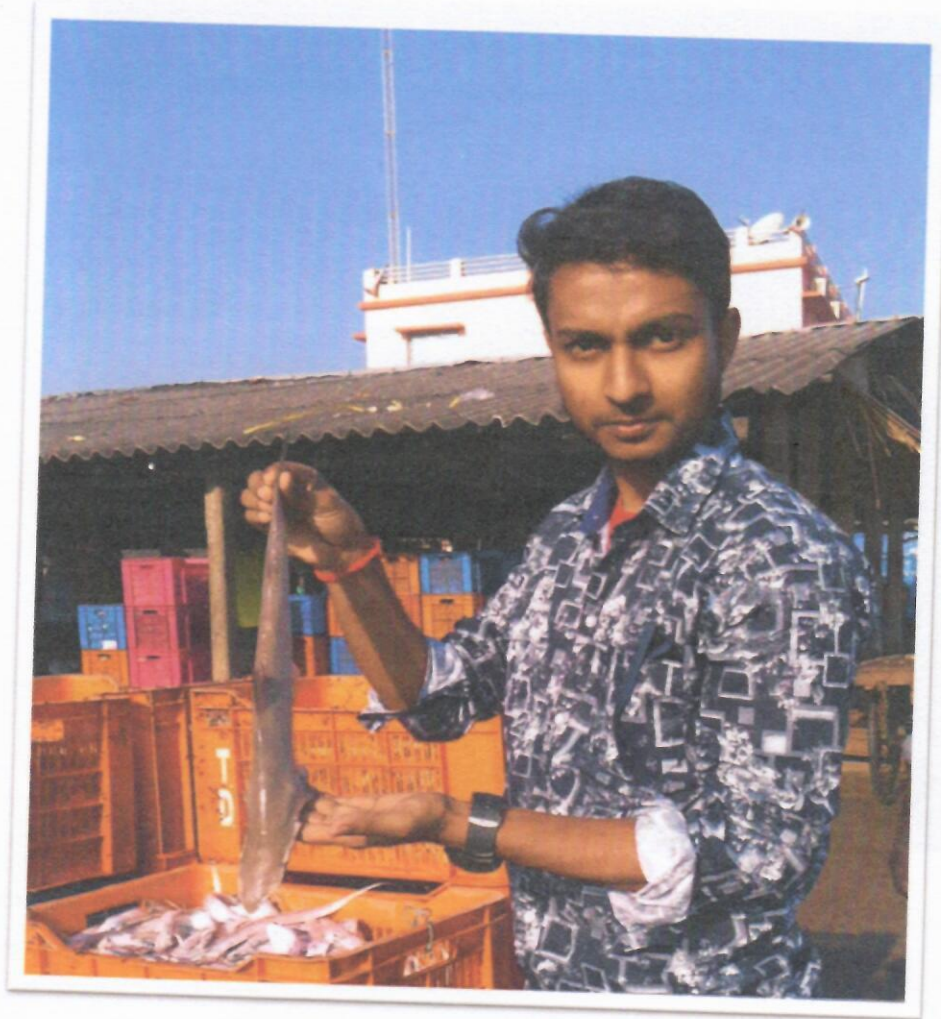
**Subclass-** Actinopterygii

**Order-** Perciformes

**CHARACTERS :---**

1. Elongated highly compressed band like body, without scales.
2. Body colour silvery.
3. No caudal fins.





Common Name- Shark

Scientific Name- Scoliodon sp.

SYSTEMETIC POSITION :---

Class- Chondrichthyes

Subclass- Selachii

Order- Squaliformes

CHARACTERS:---

1. Grey above, white below with paired fins.
2. Second dorsal fin origin over end of base of anal.



Common Name- Eel

Scientific Name- Moringua sp.

SYSTEMETIC POSITION :---

Class- Osteichthyes

Subclass- Actinopterygii

Order- Anguliformes

CHARACTERS:---

1. Body cylindrical, worm like and abdomen rounded.
2. No scale, lateral line distinct.





Common Name- Prawn

Scientific Name- Macrobrachium rosenbergi

SYSTEMETIC POSITION :---

Phylum – Arthropoda

Subphylum- Crustacea

Class- Malacostraca

CHARACTERS:---

1. Body elongated, spindle shaped.
2. Biramous appendages 19 pairs.
3. Antennae and hepatic spine present.



**Common Name-** Acorn barnacle

**Scientific Name-** Balanus sp.

**SYSTEMETIC POSITION:---**

**Phylum-** Arthropoda

**Subphylum-** Crustacea

**Class-** Cirripedia

**CHARACTERS:---**

- 1.The stalk is absent.
- 2.The mantle surrounding the body is covered by six calcareous plates.
- 3.six pairs of thoracic legs are protrude out through the opening of the shell.





**Common Name-** Cuttle Fish

**Scientific Name-** Sepia sp.

**SYSTEMETIC POSITION :-**

**Phylum** – Mollusca

**Class-** Cephalopoda

**Subclass** – Coleoidea

**CHARACTERS:----**

1. Body slender , bears internal shell.
2. Head region contains tentacles.
3. Eyes two or large.



Common Name- Bhetki

Scientific Name- *Lates calcarifer*

SYSTEMETIC POSITION:---

Class- Osteichthyes

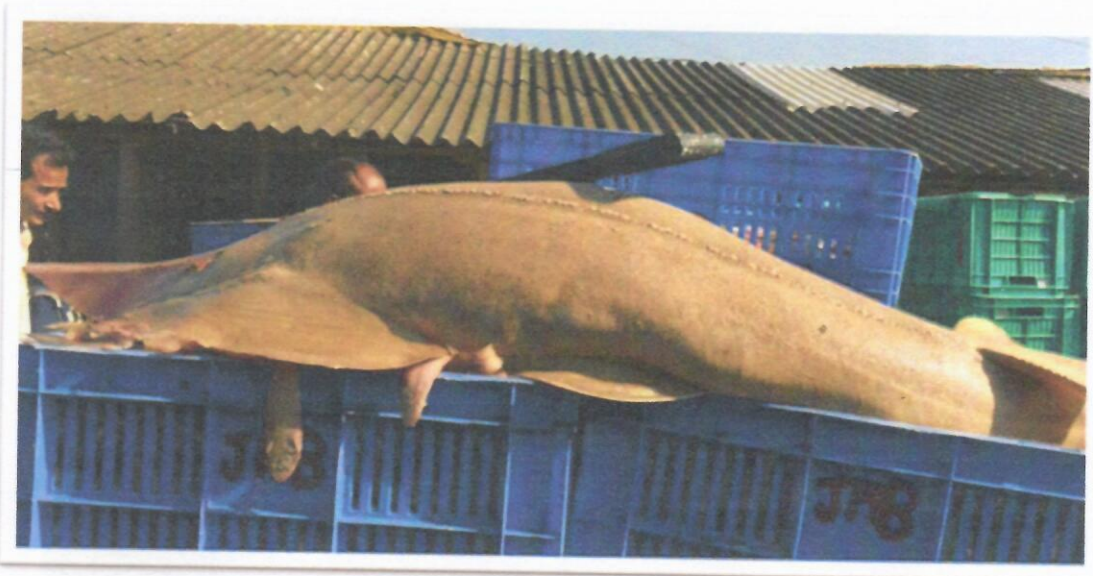
Subclass- Actinopterygii

Order- Perciformes

CHARACTERS:---

1. Body elongated, moderately compressed with a deep caudal peduncle.
2. Caudal fin rounded.
3. Lower jaw longer than the upper.





**Common Name-** Gutter Fish

**Scientific Name-** Rhinobatos sp.

**SYSTEMETIC POSITION :--**

**Class-** Chondrichthyes

**Subclass-** Selachii

**Order-** Rajiformes

**CHARACTERS:---**

1. Body assumes sub-rhombic shape and edge of the fins are free.
2. Pectoral fins are greatly enlarged along the head and trunk.
3. Entire back contains median row of minute denticles.



**Common Name-** Puffer Fish

**Scientific Name-** Tetradon sp.

**SYSTEMETIC POSITION:---**

**Class-** Osteichthyes

**Subclass-** Actinopterygii

**Order-** Tetraodontiformes

**CHARACTERS:---**

1. Body is medium in size.
2. Yellow in colour.
3. Body is rounded and often tapered at the mouth and caudal



### CONCLUSION

In excursion we accumulate practical knowledge about study of organisms. The tour overall was very educated as well as enjoyable.

In excursion there are lots of duty of the students and guide too. So team work is very important we are very thankful to our teachers for guiding us and taking care of us all through the trip.

Last of all it may say that in our modern process of study mainly study about the Biology the role of excursion is must essential.



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Examined

28/8/2018

W.S. 9/2/18