

**A Brief Activity Report on
"One Day Educational Excursion at The Alipore Zoological Garden"**

Date of Visit: 02.12.2023 (Saturday) – from 10.00 AM to 03:00 PM

Place of Visit: Alipore Zoological Garden, Alipore, Kolkata

Organizer: Department of Zoology, City College, Kolkata

Under the Guidance of: Dr Arkadeep Mitra, Assistant Professor in Zoology, City College, Kolkata
Dr Krishnendu Das, Assistant Professor in Zoology, City College, Kolkata



NOTICE



CITY COLLEGE

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GST No. : 19CALC00619D1DE

Date: 27.11.2023

Notice for Excursion of 1st Semester Zoology IDC Students

All students of 1st Semester having Zoology as IDC Paper are hereby informed that an Excursion is being organized by Department of Zoology at the Alipore Zoological Garden as part of the Calcutta University Curriculum on 2nd December, 2023 (Saturday).

All concerned students are requested to enroll their names to Mr. Rajpat Ram, Non-Teaching Staff of Zoology by 4pm on 30th November, 2023.

Instructions related to the Excursion at the Alipore Zoological Garden

- Reporting Time: 10 AM at the front gate of the Alipore Zoological Garden
- All students must carry the following items:-
 1. Notebook and Pen.
 2. Water Bottle.
 3. Cap.
 4. Id card/Feesbook/any other proof of being student of City College

Sd/- Dr. Arkadeep Mitra & Dr. Krishnendu Das

Assistant Professors
Department of Zoology
City College
Kolkata 700009

SYLLABUS

PART I: SEMESTER 1 IDC-1: Animal Biology IDC-1-TH

Full Marks 75	3 Credits	58 Hours
Unit 1: Animal Diversity		10
Phylum Characters and example: [Non-chordates-Porifera, Cnidaria, Ctenophora, Platyhelminthes, Nematelminthes, Annelida, Arthropoda, Mollusca and Echinodermata]; Chordata		
Unit 2: Genetics		12
<ol style="list-style-type: none"> 1. Mendelian Principles and Laws of inheritance 2. Linkage and Recombination basic Concepts 3. Sex Determination with reference to <i>Drosophila</i> (only genic balance theory) 4. Chromosomal Aberration [Structural and Numerical] 		
Unit 3: Biodiversity and Wildlife		15
<ol style="list-style-type: none"> 1. Biodiversity: Definition, types and value 2. Biodiversity: Indices [Shannon & Simpson] 3. Conservation: <i>in situ</i> and <i>ex situ</i> [outline idea] 4. Conservation Priority: Hotspot, Megadiversity, Sensitive Ecosystem 5. Indigenous Knowledge and PBR: Basic Concepts 		
Unit 4: Insect Vectors		8
<ol style="list-style-type: none"> 1. Concept of Vector: Biological and Mechanical Vectors with examples 2. Disease cycle & Reservoir Concept 3. Major Vectors: Mosquito (<i>Anopheles</i> sp. & <i>Aedes</i> sp.) Life cycle, control, role as vector. 		
Unit 5: Laboratory techniques and Instrumentation		5
<ol style="list-style-type: none"> 1. Basics of Light Microscopy 2. Principles and Application of Colorimetry 3. Principles and application of Ultracentrifugation 		

Animal Biology Lab: IDC-1-P

Full Marks 25	1 Credit	20 Hours
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List of Practical

1. Karyotype analysis of Klinefelter, Down, Turner, Edward & Patau Syndrome
2. Identification (Phylum and specimen characters): *Amoeba*, *Paramecium*, *Sycon*, *Neptune's Cup*, *Taenia*, *Ascaris*, *Nereis*, *Pheretima*, *Pila*, *Lamelledens*, *Penaeus*, *Macrobrachium*, *Musca*, *Anopheles*, *Culex*, *Asterias*.
3. One Local-Outdoor Trip for Biodiversity Studies.

LIST OF STUDENTS PARTICIPATED IN THE EXCURSION

"List of Participants"
Visit to Alipore Zoological Garden - Zoology I BSc Sem I (2023)

Srl No.	Roll Numbers	Registration Numbers	Name of the Candidates	Stream
1	232112-12-0001	112-1211-0536-23	SNEHA BASAK	B.A General
2	232112-12-0002	112-1211-0545-23	SUDIPTA PAUL	B.A General
3	232112-12-0006	112-1211-0560-23	MANISHA DAS	B.A General
4	232112-12-0007	112-1211-0561-23	DISHA JATI	B.A General
5	232112-12-0011	112-1211-0568-23	ANANYA SARKAR	B.A General
6	232112-12-0017	112-1211-0584-23	MOUSUMI DAS	B.A General
7	232112-12-0019	112-1211-0591-23	ANWESHA PRAMANICK	B.A General
8	232112-12-0023	112-1212-0539-23	PRIYA SAHA	B.A General
9	232112-12-0024	112-1212-0547-23	PUJA MONDAL	B.A General
10	232112-12-0026	112-1212-0553-23	SNEHASRI MONDAL	B.A General
11	232112-12-0030	112-1212-0581-23	BARSHA OJHA	B.A General
12	232112-12-0034	112-1211-0541-23	RAFIKA TUZ ZOHORA	B.A General
13	232112-12-0036	112-1211-0571-23	DARPANA DAS	B.A General
14	232112-12-0037	112-1211-0577-23	RIYA SINGH	B.A General
15	232112-12-0044	112-1211-0562-23	NEHA KARMAKAR	B.A General
16	232112-12-0045	112-1211-0605-23	PAYEL DAS	B.A General
17	232112-22-0002	112-1111-0535-23	MD AIYUB SK	B.A General
18	232112-22-0004	112-1111-0564-23	JAYPROKASH KARMAKAR	B.A General
19	232112-22-0006	112-1111-0588-23	TRIDIP MUKHERJEE	B.A General
20	232112-22-0007	112-1111-0592-23	ABHIJIT PAN	B.A General
21	232112-22-0009	112-1111-0595-23	SUMAN DUTTA	B.A General
22	232112-22-0017	112-1111-0546-23	MOMINUL HOQUE	B.A General
23	232112-22-0019	112-1111-0580-23	RANJAN MAHATO	B.A General

Date of visit: 2.12.23

Signature of Participating Teachers:

1. Ashadeep Mishra 2/12/23

2. Kishorendu Das. 2/12/23



Sri No.	Roll Numbers	Registration Numbers	Name of the Candidates	Stream
1	232112-11-0001	112-1211-0002-23	SNEHA MUKHERJEE	B.A Hons
2	232112-11-0002	112-1211-0003-23	ARPITA BHATTACHARJEE	B.A Hons
3	232112-11-0004	112-1211-0007-23	SUDIPA SARKAR	B.A Hons
4	232112-11-0005	112-1211-0008-23	ISHIKA BISWAS	B.A Hons
5	232112-11-0007	112-1211-0010-23	SANDIPA SARKAR	B.A Hons
6	232112-11-0008	112-1211-0011-23	AHALI JANA	B.A Hons
7	232112-11-0009	112-1211-0012-23	PRITHIKA BISWAS	B.A Hons
8	232112-11-0010	112-1211-0013-23	DIYA BISWAS	B.A Hons
9	232112-11-0012	112-1211-0016-23	SWAGATA GHORAI	B.A Hons
10	232112-11-0014	112-1211-0019-23	LISHA ADHIKARY	B.A Hons
11	232112-11-0017	112-1211-0027-23	TRINA BANERJEE	B.A Hons
12	232112-11-0020	112-1211-0031-23	SANCHARI MAITY	B.A Hons
13	232112-11-0021	112-1211-0032-23	SRINJINI BASAK	B.A Hons
14	232112-11-0023	112-1211-0034-23	ARPITA DEBNATH	B.A Hons
15	232112-11-0026	112-1211-0042-23	MEGHA CHATTERJEE	B.A Hons
16	232112-11-0029	112-1211-0049-23	SNEHA SI	B.A Hons
17	232112-11-0033	112-1211-0055-23	DEBARATI GHOSH	B.A Hons
18	232112-11-0034	112-1211-0056-23	MONALISA KHATUN	B.A Hons
19	232112-11-0036	112-1211-0061-23	ANKITAA GUPTA	B.A Hons
20	232112-11-0037	112-1211-0062-23	PRERONA BHATTACHARJEE	B.A Hons
21	232112-11-0038	112-1211-0063-23	RIMPA SAHA	B.A Hons
22	232112-11-0052	112-1211-0087-23	PUJA ADHIKARY	B.A Hons
23	232112-11-0053	112-1211-0088-23	SUSMITA MUKHERJEE	B.A Hons
24	232112-11-0057	112-1212-0067-23	MADHUMITA MONDAL	B.A Hons
25	232112-11-0059	112-1212-0071-23	OINDRILA MAJUMDAR	B.A Hons
26	232112-11-0060	112-1211-0096-23	ANUPAMA ROY	B.A Hons
27	232112-11-0066	112-1211-0102-23	SNEHA SAHA	B.A Hons
28	232112-11-0074	112-1211-0118-23	PALLABI DEB	B.A Hons
29	232112-11-0077	112-1211-0122-23	SNEHA DAS	B.A Hons
30	232112-11-0083	112-1211-0127-23	RIYA HEMBROM	B.A Hons
31	232112-21-0003	112-1111-0015-23	AKASH ALU	B.A Hons
32	232112-21-0010	112-1111-0047-23	PAPPU DAS	B.A Hons
33	232112-21-0020	112-1113-0021-23	SURAJ MURMU	B.A Hons
34	232112-21-0030	112-1112-0069-23	AKASH NASKAR	B.A Hons
35	232112-21-0033	112-1112-0074-23	AVIJIT MITRA	B.A Hons

Ahadeep Mitra 27/2/23
 Vishanda Das 2/12/23



Srl No.	Roll Numbers	Registration Numbers	Name of the Candidates	Stream
1	233112-11-0006	112-1211-0142-23	MOUPRIYA DEY	B.Sc Hons
2	233112-11-0007	112-1211-0143-23	TAYEESHA TAINAT	B.Sc Hons
3	233112-11-0008	112-1211-0144-23	SUDIPTA DEY	B.Sc Hons
4	233112-11-0009	112-1211-0149-23	PALLABI ROY	B.Sc Hons
5	233112-11-0010	112-1211-0150-23	MOUMITA SENGUPTA	B.Sc Hons
6	233112-11-0014	112-1211-0160-23	PRAPTI BANERJEE	B.Sc Hons
7	233112-11-0016	112-1212-0156-23	AYANTIKA HALDER	B.Sc Hons
8	233112-21-0006	112-1112-0141-23	SAHAN DOLUI	B.Sc Hons
9	233112-21-0008	112-1111-0147-23	KUNDAN SAHA	B.Sc Hons
10	233112-21-0011	112-1111-0153-23	AYAN BHOWMICK	B.Sc Hons

Ashaleep Mishra
2/12/23

Krishendu Das. 2/12/23



Brief Report

Alipore Zoo, also known as the Zoological Garden, Alipore, holds the distinction of being the oldest zoo in India. It was officially opened in 1876 and has since played an important role in preserving various species of animals. Apart from its wide range of animals, Alipore Zoo has been significant in the context of wildlife education and conservation in India. Its long-standing history is a testament to its contribution to the study of zoology and biodiversity. On 2nd December, 2023, an educational excursion to Alipore Zoo was organized by The Department of Zoology, City College, Kolkata, for students of Semester I having Zoology as IDC Paper. The main objective of the excursion was to promote environmental education among the students who do not have Zoology as their major or minor subject. Furthermore, this trip inculcated the basic concepts of biodiversity awareness, ex-situ wildlife conservation, animal behaviours, the importance of preserving habitats, and respecting animals among the students.

