

EDUCATIONAL FIELD TRIP
ORGANISED BY
DEPARTMENT OF ZOOLOGY
PARIMALMITRASMEDITIMAHAVIDYALAYA

Syllabus:

ZOOLOGY CORE COURSE IV (Programme)
GENETICS AND EVOLUTIONARY BIOLOGY

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PRACTICAL

(CREDITS 2)

1. Study of Mendelian Inheritance and gene interactions (Non Mendelian Inheritance) using suitable examples. Verify the results using Chi-square test.
2. Study of Linkage, recombination, gene mapping using the data.
3. Study of Human Karyotypes (normal and abnormal) (from photograph).
4. Study of fossil evidences from plaster cast models and pictures
5. Study of homology and analogy from suitable specimens/ pictures
6. Charts:
 - a) Phylogeny of horse with diagrams/ cut outs of limbs and teeth of horse ancestors
 - b) Darwin's Finches with diagrams/ cut outs of beaks of different species
7. Visit to Natural History Museum/ Nature interpretation centre and submission of report

Venue: Buxa Tiger Reserve and Rajabhatkhawa Vulture Breeding Centre

Year of commencement: 2023

Duration: From 11.04.2023 to 13.04.2023

Nature of linkage: Educational Tour with 11 Students and 3 Guide teachers

Guide Teachers:

Dr. Ritabrata Banerjee

Professor Souraditya Chakraborty Professor

Anjana Pradhan

Aims of the Trip:

To widen the sphere of knowledge mental level of the student, they should be given a chance to get direct and firsthand experience to see the things themselves. To study animal in the natural environment where all the animals live in their natural habitat or the fossils in the museum is one of the most interesting and useful experience for a student of Zoology. Field study is an essential part of the study of Life Science. During such field study tour we have an opportunity to interact with different people from different background. During such interaction we are also getting an opportunity to give some message to the people about the importance of wildlife, the need of conservation of nature and natural resources including the different

flora and fauna available in different ecosystems. Basically the objective of the trip was to enrich the students about the conservation of different animals and let them explore the world of vulture breeding.

Outcomes of the trip:

1. The students learned the importance of Vultures as scavengers, and understood the ecological need of them in the environment.
2. Their knowledge about collection and documentation of historical and present-day patterns of biological diversity was enhanced.

Glimpes of the trip:



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parimal mitra smriti mahavidyalaya

Date: 05.04.2023

TO WHOM IT MAY CONCERN

The teachers and students of Department of Zoology, Parimal Mitra Smriti Mahavidyalaya are going to conduct an Educational Tour at Buxa Tiger Reserve and Rajabhatkhawa Vulture breeding Centre from 11.04.2023 (Tuesday) to 13.04.2023 (Thursday).

I request you to extend your kind cooperation for smooth conduction of the Educational Tour.

Guide Teachers:

1. Dr. Ritabrata Banerjee
2. Mr. Souraditya Chakraborty
3. Prof. Anjana Pradhan

Participating Students:

1. Diksha Chhetri
2. Sudipto Sen
3. Shubhrajyoti Guha
4. Vikas Singh
5. Julfekar Ali Patowari
6. Mala Thakur
7. Rupesh Rai
8. Preety Pradhan


05/4/2023

Teacher in charge
Parimal Mitra Smriti Mahavidyalaya
Malbazar, Jalpaiguri

Teacher-in-charge
PARIMAL MITRA SMRITI MAHAVIDYALAYA
MAL, JALPAIGURI