

EDUCATIONAL FIELD TRIP
ORGANISED BY
DEPARTMENT OF ZOOLOGY
PARIMAL MITRA SMRITI MAHAVIDYALAYA

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:

Padmaja Naidu Himalayan Zoological Park, Darjeeling, West Bengal and adjoining areas.

Year of commencement: 2022

Duration: From 04.04.2022 to 06.04.2022

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:

For the sake of conservation of an ecosystem knowledge and understanding of the biotic and abiotic factors are essential. Undergraduate students of Zoology need to understand the geographical distribution of different animals, their relation with the respective habitats and possible threats to the

ecosystem, and for that we need to study the biodiversity of a certain area of interest. To study the biodiversity in its all aspects, we need to visit areas which are full of diverse flora and fauna, for knowing and gathering information about surrounding animals and plants. People have to travel long distance in the midst of the nature and this is how the notion of the excursion i.e. field study has been emphasized, It is a good way to enrich our knowledge about the distribution of different species throughout the globe and to break free from shackle of theoretical learning. Not only that we can learn the facts about animals, but also we can gather a lot of information regarding the biodiversity as well as biogeography of the particular space.

Outcomes of the trip

1. Students gained an enormous knowledge about faunal diversity in the region, captive breeding of animals, taxidermy and habitat heterogeneity.
2. Observing animals from close proximity injected a sense of interest in conservation and protection of them among the students.

Glimpses of the trip:



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parimal mitra smriti mahavidyalaya

Date: 02.04.2022

To whom it may concern

The Teachers and students of Department of Zoology, Parimal Mitra Smriti Mahavidyalaya, Mal, Jalpaiguri are going to Darjeeling for their educational tour on 04/04/2022(Monday). They will return back on 06/04/2022.


Guide Teachers

1. Dr. Ritabrata Banerjee
2. Prof. Souraditya Chakraborty
3. Prof AnjanaPradhan

Students

1. Diksha Chhetri
2. Sudipto Sen
3. Shuvrajyoti Guha
4. Vikas Singh
5. Julfeker Ali Patowari
6. Mala Thakur
7. Salil Sharma
8. Rupesh Rai
9. Kinnari Das
10. Bikram Shil
11. Oliva Soreng




Teacher in charge
Parimal Mitra Smriti Mahavidyalaya
Mal Jalpaiguri

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