

DEPARTMENT OF BOTANY

CITY COLLEGE

Report on Local Excursion: Kathgola, Maniktala Logyard, Kolkata

Date of visit : 19/01/2023 (Thursday)

Place : Kathgola ,Maniktala Logyard

Paper : CC2 Practical

Participants : Students of Sem I (Hons) under CBCS System participated.

NAME OF THE TEACHERS:

1) Dr. Rupak Kumar Sengupta

2) Sutapa Gupta

NAME OF THE STUDENTS:

1) Amrit Ray

2) Barun Ghosal

3) Snehasis Das

4) Deep Mondal

5) Snigdhadeb Sinha

6) Ishika Ghoshal

7) Mitu Mondal

Objective of Field Study:

1. To provide the students the opportunity to apply theoretical knowledge, methods and techniques of documentation, collection and preservation of plant specimens belonging to different plant groups both qualitatively (Survey) and quantitatively (quadrat study).

2. To develop observational skills; practicing both individual and team work.

3. To experience unfamiliar places (different Phyto-Geographical regions) including vegetation, forest types and ecosystems and interactions between them.

4. To make new observations; get new impressions, perspective and ideas and creating life long memories.

Report:

Students of Sem I (Hons) visited the area to be familiarize, to collect different macro fungus of that particular area to know about their natural habitat and their occurrence.

Notice:



CITY COLLEGE

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GST No. : 19CALC00619D1DE

Ref. No. :

Date: 10.01.2023

NOTICE

This is to inform all the students of Botany Semester 1 (Hons.) that Department of Botany, City College is going to conduct an educational local excursion on 19.01.2023 (Thursday) at Manicktalalyard. This educational excursion is a part of CU undergraduate curriculum.

Students are requested to be present positively at 11.30 am at Manicktalalyard on 19.01.2023 (Thursday).

Thanking You.

Nandini Choudhary
HOD, Dept. of Botany 10/1/23

Associate Professor and Head
Department of Botany
City College, Kolkata-9

M. G. Ray
Vice-Principal
City College, Kolkata-9

Principal, City College

11/1
2023

Copy to:-

1. HOD Dept. of Zoology, Physiology, Chemistry, Bengali and English.

Syllabus:

PRACTICAL- ARCHAEGONIATE (BOT-A-CC-2-4-P)
(Credits 2)

1. Workout on Pteridophytes
2. Identification with reasons (Bryophytes, Pteridophytes and Gymnosperms)
3. Classroom performance: (Lab records, slides)
4. Field report
5. Viva

BRYOPHYTES

1. Morphological study of the plant body: Genera as mentioned in theoretical syllabus and *Riccia*, *Porella*.
2. Study from permanent slides : *Riccia* (V.S. of thallus with sporophyte), *Marchantia* (L.S. through gemma cup, antheridiophore , archegoniophore) , *Anthoceros* (L.S. of sporophyte) , *Funaria* (L.S. of capsule).

PTERIDOPHYTES

1. Morphological study of the sporophytic plant body: Genera as mentioned in the theoretical syllabus and *Lycopodium*, *Ophioglossum* and *Marsilea*.
2. Workout of the reproductive structures: *Selaginella*, *Equisetum*, *Pteris*.
3. Study from permanent slides: *Psilotum* (T.S. of synangium), *Lycopodium* (L.S. of strobilus), *Ophioglossum* (L.S. of spike), *Dryopteris* (gametophyte), *Marsilea* (L.S. of sporocarp).

GYMNOSPERMS

1. Morphological study: *Cycas* (microsporophyll and megasporophyll), *Pinus* (female and male cone), *Gnetum* (female and male cone).
2. Study from permanent slides: *Cycas* (L.S. of ovule), *Pinus* (L.S. of male and female cone), *Ginkgo* (L.S. of female strobilus), *Gnetum* (L.S. of male cone and ovule).

FIELD STUDY

Botanical excursion to familiarize the students with the natural habitats of these groups is desirable. No individual collection should be allowed. Students should submit only photographs in their field report.

Photo:

