

City College,
Department of Botany,
Kolkata – 700009

(12)

NOTICE

SCHEDULE FOR LOCAL EXCURSION, 2023

Sl. No.	Date	Place	Class	Teachers Schedule to attend	Meeting Place	Time
1	10.10.2023	Subhas Sarovar	SEM –I (Hons), SEM-I (Gen), SEM-III (Hons)	A.M, P.K, SD,	Kadapara bus stop, opposite to Hyatt Hotel	9:30 AM

NOTE: All the students are requested to carry their college ID card, Excursion Card, Diary, Pen, Carry bag, Umbrella and Water bottle.

Nandini Chakrabarti 10/10/23
HOD, Dept. of Botany, City College, Kolkata-9
Associate Professor and Head
Department of Botany
City College, Kolkata-9

Bal Chatterjee 06/10/23
Principal, City College, Kol-9
Principal
CITY COLLEGE
KOL-9

Copy to – Principal, Dept of Zoology, Chemistry, Physiology

LOCAL EXCURSION : SUBHASH SAROVAR AREA

Date of visit: 10/10/2023

Place: Subhash Sarovar Area

Participants: Students of Sem I (Hons & Gen.) and Sem III (Hons.) Participated.

Teachers accompanied: Dr. Arkajo Majumdar, Dr. Partha Karak and

Miss Sandhya Dutta

Number of students: 75

Objectives of Field Study:

1. To better understand the aquatic as well as terrestrial vegetation.
2. To develop observational skills, practicing individual and team work.
3. To familiarize the students with diverse morphological and reproductive structures (inflorescences, fruits) of the Angiospermic plants.

Report:

Students of Sem I (Hons.& Gen.) and Sem III (Hons.) of Botany Department visited the area in order to study as well as to collect different Angiospermic plant specimens (*Abroma*, *Parthenium*, *Cassia*, *Lantana* etc.) along with aquatic plants (e.g. *Hydrilla*, *Nymphaea* etc.), as mentioned in the syllabus (CBCS system). The students also performed the quadrat study.

Students participated: Sem I (H)

1. Monojit Bagchi
2. Bineet Sengupta
3. Deep Debnath
4. Ritika Roy
5. Hrithika Kundu
6. Aishwarya Manna
7. Nahid Tanveer
8. Ananya Sarkar

Sem III (H)

1. Snigdhodeb Sinha
2. Amrit Ray
3. Snehasis Das
4. Barun Ghoshal
5. Deep Mondal
6. Ishika Ghoshal

Rest 61 students of Sem I General participated with the above students.

SEM I [H]

4 yr Honours + research_Botany

PLANT DIVERSITY (PRACTICAL) BOT-H-CCI-1-P Total marks 25; Credit 1, Class 30 hours

- | | |
|--|----------|
| 1. Work out: Morphology | 10 marks |
| 2. Identification with reasons (other groups except angiosperms) | 5 marks |
| 3. Class room performance (Practical notebook) | 3 marks |
| 4. Field notebook | 2 marks |
| 5. Viva-voce | 5 marks |

1. Flower- dissection, drawing and study
 - a) Different parts, b) Adhesion and cohesion, c) Placentation, d) Aestivation
2. Study of ovules: types (Fresh specimens/ permanent slides/ photographs)
3. Fruits: different types- study from fresh/ preserved specimens
4. Inflorescence types: study from fresh/ preserved specimens
5. Identification on the basis of reproductive and structural features from preserved specimens/ permanent slides: Algae (*Nostoc*, *Oedogonium* and *Ectocarpus*), Fungi (*Rhizopus*, *Ascobolus* and *Agaricus*), Bryophytes (*Marchantia*, *Anthoceros* and *Funaria*), Pteridophytes (*Selaginella*, *Equisetum* and *Pteris*), Gymnosperms (male cone and female cone/ megasporophyll of *Cycas*, *Pinus* and *Gnetum*).
6. A field notebook supported with photographs taken during field study to be submitted giving comprehensive idea about different types of inflorescence, flowers and fruits.

Textbook Reference:

1. Ganguli, H.C., Das, K.S.K. & Dutta, C.T. College Botany, Vol. I, latest Ed., New Central Book Agency
2. Ganguli, H.C. and Kar, A.K. College Botany, Vol. II, latest Ed., New Central Book Agency
3. Mukherjee, S. College Botany, Vol. III, latest Ed., New Central Book Agency
4. Uno, Storey & Moore, Principles of Botany, 2001, McGraw Hill.
5. Kenrick, P. & Crane, P. The Origin & early diversification of land plants (1997), Smithsonian Institute Press.
6. Bell, P.R. & Hensley, A.R. Green plants; their Origin & Diversity (2nd ed.), 2000, Cambridge University Press

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6. Diagnostic features, Systematic position (Bentham & Hooker and Cronquist), Economically important plants (parts used and uses) of the following families:

6.1. Monocotyledons: Alismataceae, Gramineae (Poaceae), Cyperaceae, Palmae (Arecaceae), Liliaceae, Musaceae, Zingiberaceae, Cannaceae, Orchidaceae.

6.2. Dicotyledons: Nymphaeaceae, Magnoliaceae, Leguminosae (subfamilies), Polygonaceae, Euphorbiaceae, Malvaceae, Umbelliferae (Apiaceae), Labiatae (Lamiaceae), Solanaceae, Scrophulariaceae, Acanthaceae, Rubiaceae, Cucurbitaceae, Compositae (Asteraceae).

.....12 lectures

PRACTICAL- PLANT SYSTEMATICS (BOT-A-CC-3-7-P)
(Credits 2)

1. Workout on Angiosperms
2. Spot Identification
3. Classroom performance: (Lab records)
4. Field Records (Field note book, Herbarium specimens)
5. Viva

ANGIOSPERMS

1. Work out, description, preparation of floral formula and floral diagram, identification up to genus with the help of suitable literature of wild plants and systematic position according to Bentham Hooker system of classification from the following families: Malvaceae, Fabaceae (Papilionaceae), Solanaceae, Scrophulariaceae, Acanthaceae, Labiatae (Lamiaceae), Rubiaceae.
2. Spot identification (Binomial, Family) of common wild plants from families included in the theoretical syllabus (list to be provided).

FIELD WORK

At least three excursions including one excursion to Acharya Jagadish Chandra Bose Indian Botanic Garden (Shibpur, Howrah) and Central National Herbarium (CNH).

FIELD RECORDS

1. Field Note Book (authenticated) with field notes on the plants of the area of excursion and

10.10.23

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BOTANY
LOCAL EXCURSION.

SEM 1

10 ZOO-MAJOR :-

11. Debasree Mukherjee - 1114
2. Ankita Basak - 1106
12. Piyali Saha - 1103
4. Sampriiti Kayal - 1104
5. Shreejita Chakraborty - 1101
6. Supriya Halder - 1125
2. 7. Sadima Atique - 1105
8. Skayannya Biswas - 1107
3. 9. Ananya Nayek - 1108
4. 10. Anirban Saha - 1027
11. Ayan Das - 1017
5. 12. Sagrik Bera - 1005
13. Udayan Mondal - 1019
6. 14. Jim Ahsan - 1025
15. Piel Singha - 1010
7. 16. Amindam Adhikary - 1006
17. Subhajit Das - 1026

SUNDAY 18

18. Titli Ghosh - 1112

Bio-Generated

- 1) Subhajit Saha 4727
- 2) Nirmalya Chaudhuri 4743
- 3) Ankita Sarkar 4909
- 4) Karibull ~~hath~~ Hassan Gazi 4721
- 5) Chhocktam Ai. Snek - 4746
- 6) Saikat Bhattacharya - 4752
- 7) Md. Azimul Hasan - 4730
- 8) Jamilhan Bhuiya - 4720
- 9) Koushik Mondal - 4738
- 10) Rajesh Das - 4712
- 11) Priyanshu Debnath - 4737
- 12) Rupam Dutta - 4745
- 13) M D Bashir Ahmed - 4705
- 14) Dipankar Halder - 4740
- 15) Akasad Rahman - 4733
- 16) Tushar Opaon - 4751
- 17) Anup Rudra - 4716
- 18) Sumi Chakraborty. 4914
- 19) Chaity Das - 4907
- 20) Sumi Naskar - 4910
- 21) Shwani Shaw 4905
- 22) Sumana Mandal 4912
- 23) ~~Rajita~~ Kalpita Roy 4924
- 24) Dehti Pal 4902

