

Department of Botany
Netaji Nagar Day College

NOTICE

Date: 03.07.2023

All faculty members of the Department of Botany are hereby informed that a meeting has been scheduled to discuss the syllabus distribution for B.Sc. (Botany) students—both Honours and General—across Semesters I, III, and V for the academic session 2023–24.

Meeting Details:

Date: 11.07.2023

Time: 12.30 noon

Venue: Department of Botany

Agenda:

1. Syllabus distribution for 4Yr and 3Yr BSc Sem I, II following NEP–2020, Sem III, IV, V & VI for Honours and General (CBCS) courses.
2. To prepare a requisition list for chemicals, glassware, and instruments needed to conduct the practical papers.
3. Discussion regarding local and long Excursion as per the syllabus.

Your presence is important to ensure proper planning and execution for the upcoming session.



Dr. Bhumika Pradhan
Head & Assistant Professor
Department of Botany
Netaji Nagar Day College

Head
Department of Botany
Netaji Nagar Day College
Kolkata-700092

Members Present on 11.07.2023 for Departmental Meeting:

1. *Abanashi Nag Roy*
2. *Sonali Prasad (Pa)*
3. *S. Smilce Pr. (Pa)*
4. *Sayantani Das*
5. *Asit Kumar (Pa)*
- 6.
- 7.

Meeting Resolutions:

1. Syllabus distribution done as follows:

Semester	Subject/Paper	Theory	Practical
NEP-2020			
4 Yr, I (H)	DSC/Core, Plant diversity	SP, SD, DNR & BP	SP, SD & BP
4 Yr, I (H)	IDC, Plant Around Us	SD	SD
4 Yr, I (H)	SEC, Mushroom Cultivation Technology	RK	SP & SD
3 Yr, I (G)	CC1, Plant Diversity (if student select it)	SP, SD, DNR & BP	SP, SD, DNR & BP
3 Yr, I (G)	IDC, Biostatistics (if student select it)	DNR	DNR
3 Yr, I (G)	SEC, Mushroom Cultivation Technology (if student select it)	RK	SP & SD
CBCS			
II (H)	CC-Plant anatomy	SP, RK	SP
II (H)	CC-Archegoniate	BP, SD	BP, SD
II (G)	CC/GE-Plant diversity II		
III (H)	CC-Palaeobotany and Palynology	SD	SD
III (H)	CC-Reproductive biology of Angiosperms	SP	SP
III (H)	CC-Plant systematic	BP	BP
III (H)	SEC A-Applied Phycology, Mycology and Microbiology	DNR, SP, RK	-
III (G)	CC-/GE- Cell biology, Genetics and Microbiology	DNR, BP, SD	DNR
IV (H)	CC-Plant geography, Ecology and Evolution	SD, BP	SD, BP
IV (H)	CC-Economic Botany	SP, BP	SP
IV (H)	CC-Genetics	DNR, SD	DNR
IV (H)	SEC B-Mushroom Culture Technology	RK	-
IV (G)	CC/GE--Plant physiology and metabolism	RK, BP	RK
V (H)	CC-Cell and Molecular biology	DNR, SD	DNR
V (H)	CC-Biochemistry	RK	BP
V (H)	DSE-A (Gr.A) - Biostatistics	DNR	DNR
V (H)	DSE-A (Gr.B) - Plant Biotechnology	SP, BP	SP
V (G)	DSE A-Phytochemistry and medicinal botany	SP, DNR, RK, SD, BP	SP, BP
VI (H)	CC-Plant Physiology	RK	RK
VI (H)	CC-Plant Metabolism	BP	BP
VI (H)	DSE-A (Gr.A)- Medicinal and Ethnobotany	SP, DNR, RK, SD, BP	SP
VI (H)	DSE A (Gr.B) - Research Methodology	BP, SD	SD
VI (G)	DSE-B-Economic botany	DNR, SD, BP	DNR

4. All faculty members are requested to submit the list of required chemicals within 20 days and consult with the GLI for the same.
5. The faculty member responsible for the respective paper, along with any available staff, will participate in the excursion.

Department of Botany
Netaji Nagar Day College

NOTICE

Date: 09.10.2023

All faculty members, GLI, and laboratory staff of the Department of Botany are hereby informed that an emergent meeting has been scheduled to address critical issues regarding water leakage and electrical fuse problems in the department. Water is seeping through multiple spots on the terrace, posing a serious risk to the safety of students and staff. Immediate action is essential to ensure the well-being of everyone in the department.

Details of the Meeting:

Date: 11.10.2023

Time: 12.30 noon

Venue: Department of Botany

Agenda:

1. Address Water Leakage and Electrical Fuse Issues
2. Miscellaneous

Your presence is requested as this meeting is of utmost importance for the safety and well-being of all students and department members. Kindly make it convenient to attend the meeting.



Dr. Bhumika Pradhan
Head & Assistant Professor
Department of Botany
Netaji Nagar Day College

Head
Department of Botany
Netaji Nagar Day College
Kolkata-700092

Members Present in the meeting held on 11.10.2023:

1. Hebahati Nag Roy
2. Asitkumar Dasgupta
3. Sonali Dasgupta
4. Sumit Dasgupta
- 5.
- 6.
- 7.

Meeting Resolutions:

1. Notify the Principal of Netaji Nagar Day College and request immediate action on the issues.
2. Initiate further cleaning and maintenance of the Departmental Seminar Library.

Department of Botany
Netaji Nagar Day College

NOTICE

Date: 14.12.2023

All faculty members serving as mentors are requested to attend a meeting to discuss the following agenda points related to their role as mentors:

Agenda:

1. Discussion on the responsibilities/roles of mentors
2. Miscellaneous

Date: 19.12.2023

Time: 12.30 noon

Venue: Department of Botany

Your presence is crucial to ensuring proper mentorship and support for the students of this department.

Bhumika Pradhan

Dr. Bhumika Pradhan
Head & Assistant Professor
Department of Botany
Netaji Nagar Day College

Head
Department of Botany
Netaji Nagar Day College
Kolkata-700092

Members Present in the meeting held on 19.12.2023:

- 1.
2. Sayantani Das
3. Ashoke Kumar Singh
4. Brijendra Prasad 15/12/23
- 5.
- 6.
- 7.

Meeting Resolution

A. Roles of mentors discussed as follows:

1. It was decided to prepare and finalize the list of mentors and mentees by 12th October, 2023.
2. GLI (Guest Lecturers/Invited Faculty) will also be assigned duties as mentors, alongside the regular faculty members.
3. The responsibilities/roles of mentors were summarised as follows:-
 - a) To conduct regular meetings with the mentees keeping in mind their academic time table.
 - b) To maintain record and attendance of such meetings.
 - c) To discuss and orient the students with various committees and topics such as laboratory protocols, importance and rules of attendance, discipline, punctuality, anti-ragging, online abuse awareness, sexual harassment, grievances, etc.
 - d) To mentor and orient them for their personality development, study practices, time management, moral values, skill development, online study, online methods for class, technicalities related to online classes, etc.
 - e) To encourage the mentees to participate in various college level, district level, state, national or international activities for example: Co-curricular and extra co-curricular activities, NSS, NCC, workshop, training, sports, cultural activities, quiz competition, excursions, field and study tours, educational tours.
 - f) To help students if they face stress due to exam or study related issue.
 - g) Guide them on the choice of various elective subjects and subject combination.
 - h) To inform and orient them about various fellowships available for UG students which they can apply, example: Kanyasree, Single female child, ST/SC, meritorious fellowship etc.
 - i) To guide the mentees on their projects, presentations, research and experiments related or unrelated to the syllabus.
 - j) To address the mentees with utmost care whenever they specifically ask for it.
 - k) Orient the students regarding the vaccination programme, pandemic situation, pandemic related information and guiding them to help them if they face any pandemic related stress such as lockdown, etc.
 - l) To help the students when they require help during submission of their documents related to exams, college ID card, mark sheets, etc.
 - m) To take extra care towards the students who may be physically handicapped, or medically challenged, sick and those who are slow learners.

n) To involve their parents or local guardian as much as possible.

**DEPARTMENT OF BOTANY
NETAJI NAGAR DAY COLLEGE**

NOTICE

Date-06.02.2024

A departmental meeting with all teachers of Botany department, GLI and laboratory staff will be held on 13.02.24, Tuesday at 12.30 pm at the Department to discuss the syllabus distribution for B.Sc. (Botany) students—both Honours and General of Sem II, Sem IV and Sem VI for the academic session 2023-2024.

Agenda:

1. Syllabus distribution for 4Yr BSc Sem II following NEP-2020, Sem IV & VI for Honours and General (CBCS) courses.
2. To prepare a requisition list for chemicals, glassware, and instruments needed to conduct the practical papers.

All the teachers, GLI and laboratory staff are requested to attend the meeting.

Members Present in the meeting held on 13.02.2024:

1. *Abanati Nag Roy*
2. *Sonal. Prasad (P)*
3. *Sayantani Das*
4. *Bhramar Prasad*
5. *Abolke Kumar Prasad*
- 6.

Sayantani Das
Dr. Sayantani Das

Assistant Professor and Head
Department of Botany

NNDC
Head

**Department of Botany
Netaji Nagar Day College
Kolkata-700092**

Meeting Resolution:

1. Syllabus distribution done as follows:

Semester	Subject/Paper	Theory	Practical
NEP- 2020 4 Yr. 1 (H)	DCS/Core: Plant Systematics	SP+BP+DNR+SD	SD+BP
4 Yr. 1 (H)+ 3 Yr. 1 (G)	SEC, Mushroom Cultivation Technology	RK	SP
CBCS 4 th sem (H)	CC-8- Plant Geography, Ecology and evolution	SD+BP	SD
4 th sem (H)	CC-9- Economic Botany	SP+RK	SP
4 th Sem (H)	CC-10 - Genetics	DNR	DNR
4 th Sem (H)	SEC- B, Plant Breeding	BP+SD	-
4 th Sem (G)	CC-4, Plant Physiology and Metabolism	BP+SD+SP+DNR+RK	RK
6 th Sem (H)	CC-13, Plant Physiology	RK	RK
6 th Sem (H)	CC-14, Plant Metabolism	BP	BP
6 th Sem (H)	DSE-A, Medicinal and Ethnobotany	SP+DNR+RK+SD+BP	SP
6 th Sem (H)	DSE- B, Research Methodology	BP+SD	SD+BP
6 th Sem (G)	DSE-B, Economic Botany	DNR+SD+BP	DNR

2. All faculty members are requested to submit the list of required chemicals within 20 days.

**DEPARTMENT OF BOTANY
NETAJI NAGAR DAY COLLEGE**

NOTICE

Date- 09.04.24

A departmental meeting with all teachers of Botany department of will be held on 16.04.24, Tuesday at 12.30 pm at the Department to discuss the following agenda:

1. To discuss about the measures taken for improving the academic performance of the students of Botany Department.
2. To discuss about the measures proposed to be taken for improving the academic performance of the students of Botany Department.
3. Miscellaneous

All the teachers are requested to attend the meeting.

Members Present in the meeting held on 16.04.2024:

1. *Hebaspati Nag Roy*
2. *Sonalī Prastan (Pas)*
3. *Asitkumar Kumar Bandyopadhyay*
4. *Sunil Kumar Pradhan*

Sayantani Das.

Dr. Sayantani Das
Assistant Professor and Head
Department of Botany
NNDC

Head
Department of Botany
Netaji Nagar Day College
Kolkata-700092

Meeting Resolutions:

Report of Action taken by department of Botany to improve the academic performance of the students:

The result of our students are as follows:

<u>2022-2023</u>	<u>Appeared</u>	<u>Semester Cleared</u>
Sem 1 Honours	04	03
Sem 3 Honours	09	07
Sem 5 Honours	13	07
<u>2023-2024</u>		
Sem 5 Honours	09	02

Name of students of Sem 5 honours:

- Sudeepa Moyra: Semester cleared
- Tridib Ranjan Sardar: Semester cleared
- Anamika Gora: Failed in one subject
- Afreen Ansar: Failed in one subject
- Anindita Dey: Failed in one subject
- Rimpa Sahoo: Failed in one subject
- Souvik Dey Sarkar: Failed in one subject
- Ayan Khatua: Failed in one subject
- Abhijit Sarkar: Failed in one subject

Backlog students of Sem 5 honours:

- Sirsendu Ball: Semester cleared
- Biswajit Saha: Semester cleared
- Manas Sewli: Semester cleared
- Sarmistha Bairagi: Semester not cleared
- Sabyasachi Dutta Choudhuri: Semester not cleared
- Sayan Ghosh: Semester not cleared

Measures taken to improve their academic performance:

- Strictness with regards to attendance of students has been enhanced especially for the students who are irregular in classes.
- Assessment tests are taken during class hours on a regular basis.
- Remedial classes are taken for all the students.
- Smart classrooms are developed for better learning so that the students can answer application-based questions, videos related to the subject are often shown to increase their interest in the subject.

Measures proposed to be taken to improve their academic performance:

- Good quality instruments, chemicals and books should be procured which are essential and newly introduced in the syllabus under NEP.
- Parent-Teacher meeting to be conducted especially for the students who are irregular in class.

NOTICE

A meeting of the Geography Department will be held on 24.11.2023 (Friday) at 12:30 pm in Geography Lab. (Room no: MB 25) to discuss the followings.

1. Academic related matters
2. Misc.

SBgash

Suman kr. Das
Dept. of Geography
Netaji Nagar Day College.

Mousumi Pramanick 18.11.23

Sohini Sen. 22/11/23.

Sankari Malla Barman 22.11.23.

Shreyasi Nandi 24.11.23.

Rinku Das. 24.11.23.

Members:

1. Smt. Mousumi Pramanick
2. Smt. Sohini Sen
3. Smt. Sankari Malla Barman
4. Shreyasi Nandi
5. Rinku Das.
6. Raikumar Paul

NOTICE

A meeting of the Geography Department will be held on 24.11.2023 (Friday) at 12:30 pm in Geography Lab. (Room no: MB 25) to discuss the followings.

1. Academic related matters
2. Misc.

SBgash

Suman kr. Das
Dept. of Geography
Netaji Nagar Day College.

Mousumi Pramanick 18.11.23

Sohini Sen. 22/11/23.

Sankari Malla Barman 22.11.23.

Shreyasi Nandi 24.11.23.

Rinku Das. 24.11.23.

Members:

1. Smt. Mousumi Pramanick
2. Smt. Sohini Sen
3. Smt. Sankari Malla Barman
4. Shreyasi Nandi
5. Rinku Das.
6. Raikumar Paul

NOTICE

A Meeting of the Geography Department will be held on 20.04.2024(Saturday) at 1:30 pm in Geography Lab(Room No.MB:25) to discuss the followings.

1. Academic related matters.
2. Department related matters.
3. Misc.

SB Jash

(Dr. Sonali Banerjee Jash)

Principal, Netaji Nagar Day College

Sumank Das 12.04.24
(Sumon Kumar Das)

Department of Geography

Netaji Nagar Day College

Members

1. Smt. Mousumi Pramanick
2. Smt. Sohini Sen
3. Smt. Sankari Malla Barman
4. Shreyasi Nandi
5. Rintu Das
6. Rajkumar Paul
7. Dharani Sardar

Mousumi Pramanick
13.04.24

Sohini Sen 12/4/24

Sankari Malla Barman 12/4/24.

Shreyasi Nandi 15/4/24.

Rintu Da. 12/4/24.

Raj Kumar Paul 20-04-2024.

A meeting of the Geography Department will be held on 18.09.2024 (Wednesday) at 11:30 am in Geography lab. (Room No. 25) to discuss the followings.

1. Academic related matters.
2. Departmental Requirement.
3. Misc.

Abjash
13.09.24

Members

1. Smt. Mausumi Pramanick
2. ~~Dr.~~ Dr. Sohini Sen
3. Smt. Sankari Malla Barman
4. Shreyasi Nandi
5. Rintu Das
6. Rajkumar Paul

Sumankumar
Dept. of Geography
Netaji Nagar Day College

Mousumi Pramanick 18.09.24

Sohini Sen. 18.09.24

Sankari Malla Barman
13.09.24.

Shreyasi Nandi 18.9.24.

Rintu Das. 13.09.24.

NETAJI NAGAR DAY COLLEGE

DEPARTMENT OF GEOGRAPHY

CLASS ROUTINE

SESSION : 2024 -2025

EFFECTIVE FROM : 22.08.24

DAY TIME	10:30am– 11:30am	11:30am– 12:30 pm	12:30pm– 1:30pm	1:30pm– 2:30pm	2:30pm– 3:30pm	3:30pm– 4:30pm	4:30pm– 5:30pm
Monday		I(G) SD NB:17 III(G) SMB MB : 24 V(H) SN MB:25	V(G) SMB NB : 30 III(G) SD MB : 24 V(H) SS MB:25	I(H) SN MB: 24 III(H) SD MB:25	I(H) SS MB:24 III(H) SN MB:25	I(H) SD MB:24 III(H) SS MB:25	
Tuesday	III (H) IDC- MP-MB: 25	III(H) SD MB:24 V(H) MP MB:25	I(H) SN MB:24 V(H) RD MB:25	V(G) RD NB:30 III(H) SN MB:24 I(H) SD MB:24	I(H) RD MB:24 V(H) SN MB:25	V(G) SD MB:24	
Wednesday	V(H) SN MB:25	I(H) SN MB:24 V(H) SMB MB:25	I(G) MP NB:17 I(H) SMB MB:24 III(H) SS MB:25	I(G) SS NB:17 III(H) RD MB:25 III(G) MP MB : 24	III(G) SMB MB: 24 I(H) RD MB: 25	III(G) SS MB: 24 III(H) MP MB:25	I (H) IDC- RD- MB:25
Thursday		I(H) SS MB:24	I(H) SD MB: 25 III(H) MP MB:24	I(G) SMB NB:18 V(H) SS MB:24 I(H) SD MB: 25	III(H) SD MB:25 V(H) MP MB:24	I(G) MP MB:24 III(H) SMB MB:25	I (H) IDC- SD- MB:25
Friday	III (H) IDC- SMB-MB: 25 III(H) SS NB:18	I(H) SS MB:25 III(H) SMB NB: 18	I(H) SD MB:25 III(H) RD MB:24	III(G) SD MB:25 V(H) SMB MB:24	III(G) RD MB:25 V(H) SD MB:24	V(H) RD MB:24	
Saturday	V(H) RD MB:24 V(G) MP MB : 25	V(H) SN MB:24 V(G) MP MB : 25	V(H) SD MB:24 III(G) SN MB : 25				

EOG-H-CC04/MD-CC03-3/5-P – Economic Geography Lab – 25 Marks / 1 C

A3- or tabloid-size laboratory notebook, comprising class assignments of the following is to be prepared and submitted. Census of India data are to be used where applicable. The exercises are to be drawn in pencil with photocopied representation of source materials where necessary. All texts are to be handwritten.

1. Construction and interpretation of gender-wise bar showing work participation rate
2. Construction and interpretation of proportional divided circles showing state-wise variation in occupational structure [8]
3. Preparation of crop calendar. Construction and interpretation of ergograph [6]
4. Time series analysis of industrial production of India using moving average [8]
5. Viva voce based on laboratory notebook (5 Marks)

GEOG-H-CC04/MD-CC03-3/5-Th – Economic Geography – 75 Marks / 3 Credits

Unit I: Concepts (SMB)

1. Economic Geography: Scope and approaches [4]
2. Concepts in economic geography: Goods and services, production, exchange and consumption; concept of economic man [5]

Unit II: Economic Activities

- (SMB) {
3. Classification of economic activities: Primary, secondary, tertiary, quaternary, and quinary [4]
 4. Location of economic activities: Agriculture (after von Thünen) and industry (after Weber) [6]
- (RD) {
5. Primary activities: Agriculture, forestry, fishing, and mining [6]
 6. Secondary activities: Classification of manufacturing industries, special economic zones and technology parks [6]
 7. Tertiary activities: Transport, trade and services [6]
 8. Economic globalisation: Concepts and contemporary issues [2]
 9. International trade, role of WTO [2]
 10. Emergence of economic blocs (Post WW-II). BRICS: Evolution and significance [4]

References

GG-H-CC03-3-P – Geotectonics Lab – 25 Marks / 1 Credit

A3- or tabloid-size laboratory notebook, comprising class assignments of the following is to be prepared and submitted. The exercises are to be drawn in pencil with photocopied representation of source materials where necessary. All texts are to be handwritten.

1. Measurement of dip and strike using clinometer [5] (SN)
- (SMB) 2. Megascopic identification of mineral samples: Bauxite, calcite, chalcopryrite, feldspar, galena, gypsum, hematite, magnetite, mica, quartz, talc, and tourmaline
Megascopic identification of rock samples: Granite, dolerite, basalt, laterite, limestone, shale, sandstone, conglomerate, quartzite, slate, marble, schist, phyllite, and gneiss [6]
- (SD) 3. Analysis of tectonic activity from Survey of India 1:50k topographical maps: Basin asymmetry factor and transverse topographic symmetry factor [4]
- (SN) 4. Interpretation of geological maps with uniclinal structure, folds, unconformity, and intrusions [15]
5. Viva voce based on laboratory notebook (5 Marks)

Sem III (Hons)
~~Session: 2023-2024~~

SEMESTERS – 3/5 (for H & MD)

GEOG-H-CC03-3-Th – Geotectonics – 75 Marks / 3 Credits

- (SS)
1. Relative and absolute dating of rocks [4]
 2. The geological time scale with special reference to the events of the Pleistocene [4]
 3. Formation and structural differentiation of the earth [4]
 4. Isostasy: Models of Airy, Pratt, and their applicability [5]
 5. Plate Tectonics as a unified theory of global tectonics. Processes and landforms at plate margins and hotspots [7]
- (MP)
6. Genetic classification of mountains. Types of volcanic eruptions [4]
 7. Major relief features of the ocean floor: Characteristics and origin according to Plate Tectonics [5]
 8. Folds: Formation and classification [4]
 9. Faults: Formation and classification [4]
 10. Morphometric indices of tectonic activity: Basin asymmetry factor, transverse topographic symmetry factor, and mountain front sinuosity [4]