



Serampore Girls' College
University of Calcutta

Departmental report

Department of Botany

Session: 2022-2023

SERAMPORE GIRLS' COLLEGE

Report of Department: Botany

Session 2022-2023

1. No. of students in the department:

	1 st Sem	2 nd Sem	3 rd Sem	4 th Sem	5 th Sem	6 th Sem
General (CBCS)	05	04	12	10	06	06

2. No. of Teachers:

Full Time	SACT - I	SACT- II	Guest/Cont ractual	Total
Nil	Nil	Nil	1	1

3. Student-Teacher ratio 43:1

4. Class routine of the department for the academic session 2022-2023

Routine –Science (ODD semester)-2022-23 (July-December, 2022)

Day	SEM	9:45-10:45	10:45-11:45	11:45-12:45	12:45-1:45	2:00-3:00	3:00-4:00
Monday	I	BOTG (M.H)ICT LAB					
	III		BOTG (M.H) P LAB	BOTG (M.H) P LAB			
	V				BOTG (M.H) NB-16	BOTG(M.H)SEC NB-16	
Tuesday	I	BOTG(M.H)P LAB	BOTG(M.H)P LAB				
	III				BOTG(M.H)ICT LAB		
	V			BOTG(M.H)SEC NB-16		BOTG(M.H)(T) LAB	
Wednesday	I				BOTG(M.H) NB-16		
	III	BOTG(M.H) NB-16					
	V		BOTG(M.H)P LAB	BOTG(M.H)P LAB			
Thursday	I	BOTG(M.H)(T) NB-16					
	III		BOTG(M.H)(T) NB-19				
	V			BOTG(M.H)ICT LAB			

Teacher- Dr. Madhusree Halder (MH)

No. of classes/week: 17

Serampore Girls' College
Routine –Science (EVEN semester)-2022-23 (January-June,2023)

Day	SEM	9:45-10:45	10:45-11:45	11:45-12:45	12:45-1:45	2:00-3:00	3:00-4:00
Monday	II					BOTG (M.H) ICT LAB	
	IV			BOTG (M.H) ICT LAB	BOTG (M.H) SEC NB 16		
	VI		BOTG (M.H) NB 16				
Tuesday	II	BOTG(M.H) LAB					
	IV				BOTG (M.H) ICT LAB		
	VI		BOTG (M.H) (P) LAB	BOTG (M.H)(P) LAB			
Wednesday	II			BOTG (M.H) P LAB			
	IV	BOTG (M.H) (P) LAB	BOTG (M.H) (P) LAB		BOTG (M.H) LAB		
	VI						
Thursday	II		BOTG (M.H) (P) LAB	BOTG (M.H) (P) LAB			
	IV	BOTG (M.H) LAB				BOTG -SEC(M.H) NB 16	
	VI				BOTG (M.H) NB 16		

Teacher- Dr. Madhusree Halder (MH)

No. of classes/week: 17

5. Report on departmental activities:

EXPERIENTIAL LEARNING

Date	Name of the event	Number of participants	Outcome
19.12.2022	Local excursion (Semester-I) BOTG-CC1/GE1-P	5	Students of semester I took part enthusiastically to fulfil our goal, they gathered knowledge about different plant groups, their habit, habitat and their ecological importance. It was beneficial for them.
19.12.2022	Medicinal garden visit (Semester-V) BOTG-DSE-A-6-1-P	15 6 (sem V) 6 (sem III)and 3 (sem I)	Students of semester V, III and I took part enthusiastically to fulfil our goal, they experienced different practical facts regarding methods of use of medicinal plants and specifically parts of plants used for different diseases.
16.05.2023	Field visit(Semester-VI) BOTG-DSE-B-6-1-P	5	It is mandatory to visit a field of rice/jute for completion of syllabus of Sem-6. Students of semester VI took part enthusiastically to fulfil our goal, they experienced different practical facts about our staple food crop and its socio-economic value.
16.05.2023	Local excursion (Semester-II) BOTG-CC2/GE2-P	3	Students of semester II took part enthusiastically to fulfil our goal, they learned about different groups of angiosperms, their habit, and habitat, beneficial or harmful effects on environment.

PARTICIPATIVE LEARNING

Date	Name of the event	Number of participants	Outcome
08/05/2023	Quiz	11	Students enjoyed a lot, become enthusiastic about gaining knowledge on the relevant topics but little more outside their own study syllabus.

STUDENT PROGRESSION REPORT

Sl No.	Year	Name of the student enrolled into higher education and contact details	Program Graduated from	Year of Graduating	Name of institution joined	Name of program admitted to (applicable for students who progressed to higher education)
1	2022-23	Alfa Tabassum	B.Sc (Gen)	2019-2022	Khalisani Basanti Teachers' Academy	B.Ed.
2	2022-23	Neha Roy	B.Sc (Gen)	2019-2022	Indira Gandhi National Open University	M.Sc in ENVS
3	2022-23	Supriya Bharti	B.Sc (Gen)	2019-2022	Talandu MR & NC Mohanta College	B.Ed.
4.	2022-23	Simaran Shaw	B.Sc (Gen)	2019-2022	Indira Gandhi National Open University	M.Sc in ENVS
5.	2022-23	Aditi Sinha Roy	B.Sc (Gen)	2019-2022	Dr. APJ Abdul Kalam Educational Trust	D.El.Ed.

6. Continuous Internal Assessment (Attach the file given for Criterion 2):
File attached bellow

7. Result of final university examination. 2023- Semester 6

	Appeared	Passed	A+	A	B+	B	C	D
GENERAL	6	6	1	3	1	1	-	-

8.
Teachers' Profile for the academic session

- a) Upgradation of qualification-NA
- b) Paper publication-1 (Attached bellow) IF= 0.68
- c) OP/ RC attended-NA

Paper publication:

Proc Zool Soc
<https://doi.org/10.1007/s12595-022-00454-1>



RESEARCH ARTICLE

Improved Toxicological Profile and Tumoricidal Activity of Doxorubicin in Combination with Mycosynthesized Pt Nanoparticles in a Sarcoma-180 Transplantable Tumor Model

Sonali Bhattacharya¹ · Madhusree Halder² · Ankur Banerjee¹ · Indrajit Das¹ · Surekha Kundu² · Deba Prasad Mandal¹ · Shamee Bhattacharjee¹

Received: 13 April 2022 / Revised: 17 August 2022 / Accepted: 27 August 2022
© Zoological Society, Kolkata, India 2022

EXPERIMENTAL LEARNING

Serampore Girls' College
Department of Botany

Report on local excursion **Semester-1**

- **Name of the course:** Plant diversity 1
- **Date:** 19/12/2022

- **Objective:** Local excursion is a compulsory part of B.Sc Botany (General) degree course of semester V under CBCS curriculum. The aim is giving students a proper idea of medicinal plants, their uses and information about maintenance of the garden.

- **Code of the course:** BOTG-CC1/GE1

- **No. of students attended:** 5

- **Location of Visit:** Serampore locality

- **Outcome:** Students of semester I took part enthusiastically to fulfil our goal, they gathered knowledge about different plant groups, their habit, habitat and their ecological importance. It was beneficial for them.

- **Guided by:** Dr. Madhusree Halder, Department of Botany, Serampore Girls' College.

Syllabus of 1st semester BOTG-CC1/GE1- P

PRACTICAL- PLANT DIVERSITY I (PHYCOLOGY, MYCOLOGY, PHYTOPATHOLOGY, BRYOPHYTES AND ANATOMY) (BOT-G-CC-1-1-P) (Credits 2)

- 1. Work out:** Microscopic preparation, drawing and labeling of *Chlamydomonas*, *Chara*, *Ectocarpus*, *Rhizopus* and *Ascobolus*
- 2. Anatomical studies (following double staining method) of:** 2a. Stem- *Cucurbita*, sunflower and maize. 2b. Root- *Colocassia*, gram and orchid. 2c. Leaf- Nerium
- 3. Identification with reasons:** 3a. Cryptogamic specimens (macroscopic/microscopic as prescribed in the theoretical syllabus. 3b. Pathological specimens (herbarium sheets) of Late blight of potato, Brown spot of rice and stem rot of jute.
- 4. Laboratory records:** Laboratory note books (regularly signed) and slides (prepared in class) are to be submitted at the time of Practical Examination. Regular attendance in the class must be credited.
- 5. At least one local excursion** to be conducted to give an idea of plant diversity, habitat of algae and fungi

NOTICE:

Serampore Girls' College

(Estd. : 1981)

Accredited by NAAC

13, T. C. GOSWAMI STREET, SERAMPORE, HOOGHLY, PIN-712 201, WEST BENGAL.
Ph: (033) 2652 9334 • (033) 26527850 (Principal) • 26623723 (Office) • 2652-0008
E-mail : science@seramporegirlscollege.org • sgc.scdept@gmail.com

DEPARTMENT OF BIO-SCIENCE

Ref. No.

Date. 14/12/2022

NOTICE

Students of semester I, Bio science general are hereby informed that there is a local excursion is organized at serampore locality from Department of Botany Serampore Girls College, Hooghly on 19/12/2022 All students are instructed to attend the excursion. You must carry a note book, pen, camera, College Id card with you.

Handwritten signature 14/12/2022

Signature of Teacher (s)

Department of Botany
Serampore Girls' College
Serampore, Hooghly

Student's attendance sheet:



Serampore Girls' College
Department of Botany

Report on medicinal garden visit Semester-V

- **Name of the course:** Phytochemistry and medicinal Botany
- **Date:** 19/12/2022
- **Objective:** Medicinal garden visit is a compulsory part of B.Sc Botany (General) degree course of semester V under CBCS curriculum. The aim is giving students a proper idea of medicinal plants, their uses and information about maintenance of the garden.
- **Code of the course:** BOTG-DSE-A-5-1-P
- **No. of students attended:** 6
- **Location of Visit:** Serampore College

- **Outcome:** Students of semester V took part enthusiastically to fulfil our goal, they experienced different practical facts regarding methods of use of medicinal plants and specifically parts of plants used for different diseases.
- **Guided by:** Dr. Madhusree Halder, Department of Botany, Serampore Girls' College. Dr. Suman Datta, Department of Botany, Serampore College.

Syllabus of 5th semester BOTG-DSE-A-5-1-P

PRACTICAL- PHYTOCHEMISTRY AND MEDICINAL BOTANY (BOT-G-DSE-A-5-1-P)
(Credit 2)

1. Preparations of solution and buffers
2. Acquaintance with laboratory instruments- Autoclave, Incubator, Clinical centrifuge, Analytical balance, pH meter, Colorimeter, Water bath, Distillation plant, Laminar air flow.
3. Qualitative test for proteins and carbohydrates, reducing and non reducing sugar (glucose, fructose and sucrose)
4. Tests (chemical) for tannin and alkaloid
5. Identification of medicinal plants (list to be provided)
6. Field study (local) and listing of medicinal plants. Records to be substantiated with photographs and description.

Notice and other documents

Ph. : (033) 26623723 (Office)

Serampore Girls' College
(Estd.: 1981)
Re-Accredited by NAAC : Grade B (2nd Cycle)
13, T. C. GOSWAMI STREET, SERAMPORE, HOOGHLY. PIN-712 201, WEST BENGAL.
E-mail : serampore_girls_college@yahoo.co.in
Website : www.seramporegirlscollege.org

Ref. No. Date ... 13/12/22

To
The Principal,
Serampore College,
8, William Carey Sarani, Maniktala,
Serampore,
West Bengal 712201


Subject : Seeking permission to visit Medicinal Garden of your college premises

Respected Sir,

In CBCS, 5th semester Botany curriculum there is a provision of visit to a medicinal garden. I would like to request you to grant our B.Sc general students the permission to visit the medicinal garden at your college premises.

Thanking you,

Smt. Roy
Principal
Serampore Girls' College
Serampore, Hooghly


13.12.22

Serampore College
College/Carey Cemetery Visitation Form

Date of Request: 13/12/22

To,
The Principal,
Serampore College,
Serampore, Hooghly.

1. Requester's Name (attached name's list (Youre date of): (i) Dr. Madhusree Halder
(ii) _____
(iii) _____
(iv) _____
(v) _____
(vi) _____
(vii) _____

2. Mobile No. : 7044276910

3. Email id: madhusree@seramporegirlscollege.org

4. Any Govt. id No. (preferably Aadhar no.): 52995616 9150

5. Date of Visit: 13/12/2022 Duration of the Visit: 1 hr

6. Place(s) of Visit: (i) College Campus [] (ii) Carey Museum [] (iii) Carey Cemetery [] (iv) Library [] (v) Other (please mention the name): Medicinal Garden

7. Purpose of the Visit: To show the students group visited for managing medicinal plants and to provide information on plants that are useful for disease. It is also mentioned in CBCS (16) syllabus

8. Contact/Known Person in College (if any): Dr. Suman Datta

Madhusree Halder
Visitor's Signature 13/12/22

Permitted [] Regretted []

Dr. Vansanglura
Principal & CEO

C.C.:

1. Gate Security []
2. Attendant, CLRC []
3. Guard, Carey Cemetery []

Serampore Girls' College

(Estd. : 1981)

Accredited by NAAC

13, T. C. GOSWAMI STREET, SERAMPORE, HOOGHLY, PIN-712 201, WEST BENGAL.
Ph: (033) 2652 9334 • (033) 26527850 (Principal) • 26623723 (Office) • 2652-0008
E-mail : science@seramporegirlscollege.org • sgc_scdept@gmail.com

DEPARTMENT OF BIO-SCIENCE

Ref. No.

Date: 14/12/22

NOTICE

Students of semester V, Bio science general are hereby informed that there is a medicinal garden visit organized from Department of Botany Serampore Girls College, at Serampore College campus, Hooghly on 19/12/2022 All students are instructed to attend the excursion. You must carry a note book, pen, camera, College Id card with you.

M. Das 14/12/22

Signature of Teacher (s)

Department of Botany
Serampore Girl's College
Serampore, Hooghly

Student's attendance sheet:

SERAMPORE GIRLS' COLLEGE
DEPARTMENT OF BOTANY

Student attendance sheet

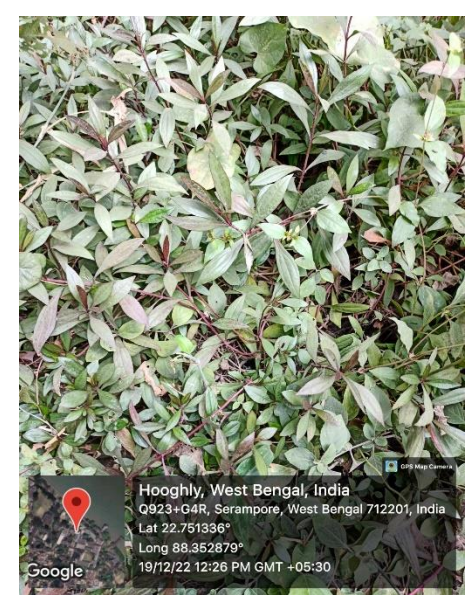
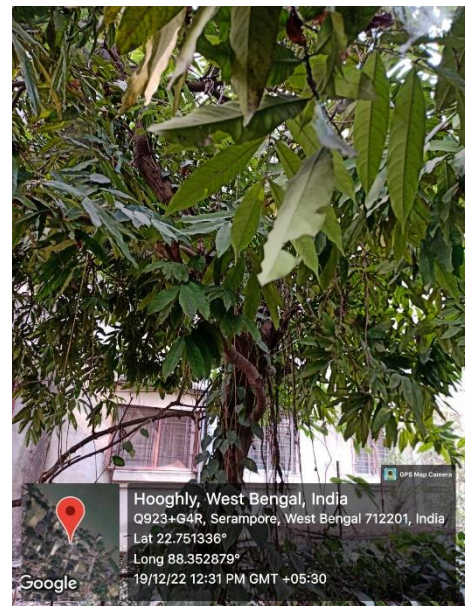
Program: Visit to medicinal garden

Date: 19/12/2022

Sl. No.	Roll Number	Semester	Signature of the student
1.	20688		Anannya Das
2.	20696		Mahima Chakri
3.	20697		Priti Maji
4.	20694		Shrestha Guha
5.	20692		Juni Ghosh
6.	20699		Jayashri Debnath

Arindam
19/12/2022
Department of Botany
Serampore Girls' College
Serampore, Hooghly

Photos of the event



Serampore Girls' College
Department of Botany

Report on field visit

SEMESTER-VI

- **Name of the course:** Economic Botany
- **Date:** 16/05/2023
- **Objective:** Field visit is a compulsory part of B.Sc Botany (General) degree course of semester VI under CBCS curriculum. Objective of this type of tour is to aware students about the cultivation method, timing and every minute details of the cultivated plants and its importance to our society.
- **Code of the course:** BOTG-DSE-B-6-1-P
- **No. of students attended:** 05
- **Location of Visit:** Rice research station, Chinsurah, Hooghly.
- **Outcome:** Students of semester VI took part enthusiastically to fulfil our goal, they experienced different practical facts about our staple food crop and its socio-economic value.
- **Guided by:** Dr. Madhusree Halder, Department of Botany, Serampore Girls' College.

Syllabus of 6th semester BOTG-DSE-B-6-1

DSE B ECONOMIC BOTANY (BOT-G-DSE-B-6-3-TH) THEORETICAL (Credits 4, Lectures 60)

1. Origin of cultivated plants: 1.1 Concepts of centres of origin and their importance with reference to Vavilov's work.
.....12 lectures
2. Rice- origin, morphology and uses.
.....12 lectures
3. Legumes: General account with special reference to *Vigna*.
.....8 lectures
4. Beverages: Tea- morphology, processing and uses.
.....12 lectures
5. Study of the following economically important plants (Scientific names, families, parts used and importance): 5.1 Cereals- Rice, wheat, 5.2 Pulses- Mong, gram, 5.3 Spices- Ginger, cumin, 5.4 Beverages- Tea, coffee, 5.5 Medicinal plants- Cinchona, neem, Ipecac, Vasaka, 5.6 Oil yielding plants- Mustard, groundnut, coconut, 5.7 Vegetables- Potato, raddish, bottle gourd, cabbage, 5.8 Fibre yielding plants- Cotton, jute, 5.9 Timber yielding plants- Teak, Sal 5.10 Fruits- Mango, apple, 5.11 Sugar yielding plant- Sugarcane.
.....16 lectures

PRACTICAL- ECONOMIC BOTANY (BOT-G-DSE-B-6-3-P) (Credits 2)

1. Study of economically important plants (rice/jute/ tea) through herbarium specimens and field study.
2. Study of cultivation practices in field and submission of report.
3. Study of local economically important plants and submission of report with photographs.

NOTICE

Serampore Girls' College
(Estd. 1961)
Accredited by NAAC
13, T. C. GOSWAMI STREET, SERAMPORE, HOOGHLY, PIN-712 201, WEST BENGAL.
Ph: (033) 2652 9334 • (033) 26527850 (Principal) • 26623723 (Office) • 2652-0008
E-mail: science@seramporegirlscollege.org • sgc_dept@gmail.com

DEPARTMENT OF BIO-SCIENCE

Ref. No. _____ Date 10/05/2023


NOTICE

Students of semester VI, Bio science general are hereby informed that there is a Field study organized from Department of Botany Serampore Girls College, at Chinsurah Rice Research Station, Hooghly on 16/05/2023 All students are instructed to attend the study tour. You must carry a note book, pen, camera, College Id card with you.

Mondal 10/5/23
Signature of Teacher (s)

Department of Botany
Serampore Girl's College
Serampore, Hooghly

hany 10/05/23



Attendance sheet

SERAMPORE GIRLS' COLLEGE
DEPARTMENT OF BOTANY

Student attendance sheet

Program: Field Study at Rice Research Station
Chinsurah, Hooghly

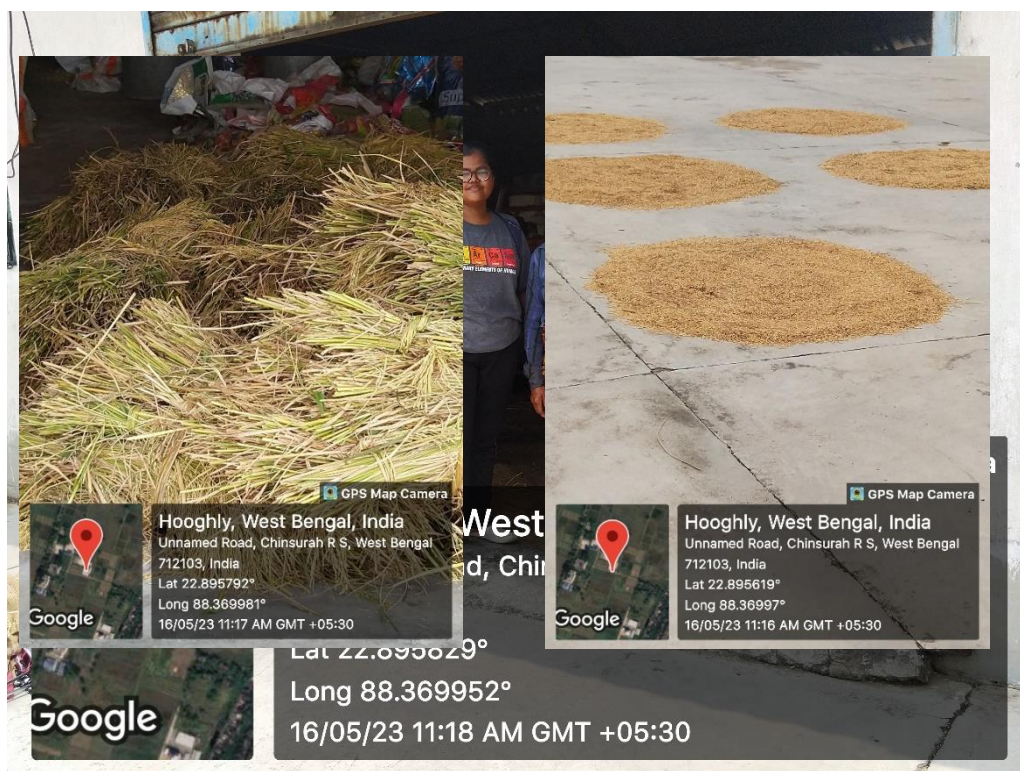
Date: 16/05/2023

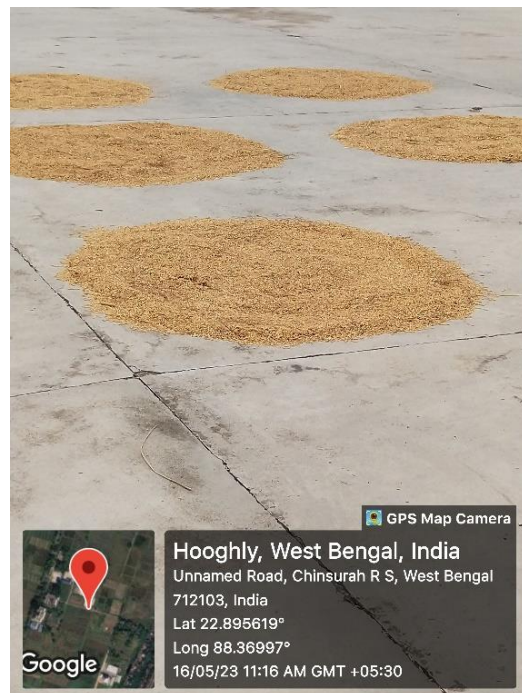
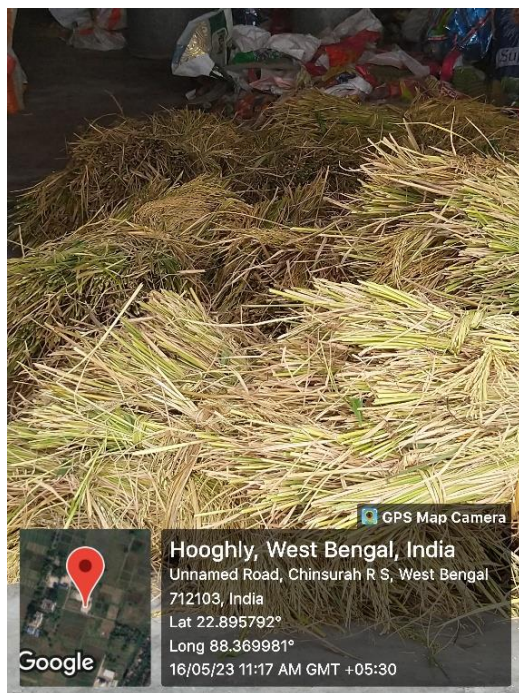
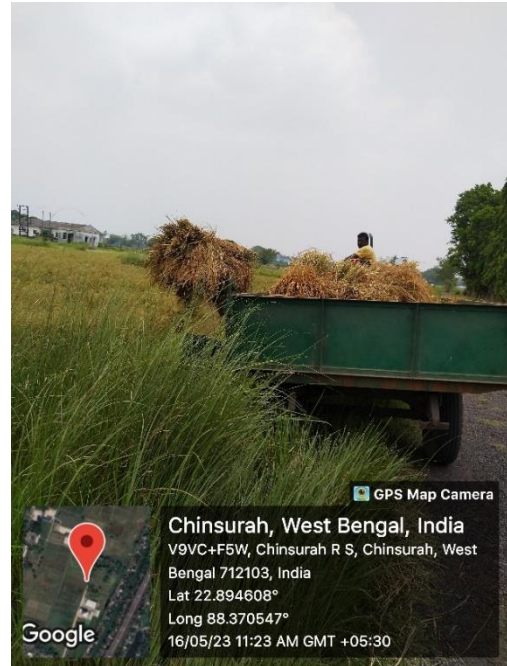
Sl. No.	Roll Number	Semester	Signature of the student
1.	20692	6 th	June Ghosh
2.	20696	6 th	Mahima Chakri
3.	20699	6 th	Jayashree Debnath
4.	20698	6 th	Ananya Das
5.	20697	6 th	Prithi Maji
6.			

M. Jey
16.05.2023

Department of Botany
Serampore Girls' College
Serampore, Hooghly

PHOTOS OF THE EVENT





SEMESTER-II

- **Name of the course:** Plant diversity II
- **Date:** 16/05/2023
- **Objective:** This type of tour is organized to aware students about local plants, to know their scientific background and give them practical knowledge about collection, identification of wild angiosperms and preparation of herbarium specimen.
- **Code of the course:** BOTG-CC-2-2-P
- **No. of students attended:** 04
- **Location of Visit:** Chinsurah, Hooghly.
- **Outcome:** Students of semester II took part enthusiastically to fulfil our goal, they learned about different groups of angiosperms, their habit, and habitat, beneficial or harmful effects on environment.
- **Guided by:** Dr. Madhusree Halder, Department of Botany, Serampore Girls' College.

Syllabus of 2nd semester BOTG-CC2/GE2

PRACTICAL- PLANT DIVERSITY II (PTERIDOPHYTES, GYMNOSPERMS, PALAEOBOTANY, MORPHOLOGY AND TAXONOMY) (BOT-G-CC-2-2-P) (Credits 2)

1. Dissection, drawing and labelling, description of angiospermic plants and floral parts, floral formula and floral diagram, identification (family) from the following families: Leguminosae (Fabaceae), Malvaceae, Solanaceae, Labiatea (Lamiaceae), Acanthaceae.

2. **Identification with reasons:**

Macroscopic specimens of *Selaginella* and *Pteris*, male and female strobilus of *Cycas* and *Pinus*, Anatomical slides (stellar types, transfusion tissue, sieve tube, sunken stomata, lenticels), inflorescence types.

3. **Spot identification** of the following Angiospermic plants (scientific names and families): *Sida rhombifolia* (Malvaceae), *Abutilon indicum* (Malvaceae), *Cassia sophera* (Fabaceae), *Tephrosia halimtonii* (Fabaceae), *Crotolaria palida* (Fabaceae), *Coccinia grandis* (Cucurbitaceae), *Solanum indicum* (Solanaceae), *Nicotiana plumbagenifolia* (Solanaceae), *Leucas aspera* (Lamiaceae), *Leonurus sibiricus* (Lamiaceae), *Parthenium hysterophorus* (Asteraceae), *Tridax procumbense* (Asteraceae), *Eclipta prostrate* (Asteraceae), *Eragrostis tenella* (Poaceae), *Chrysopogon aciculatus* (Poaceae), *Eleusine indica* (Poaceae), *Vanda taesellata* (Orchidaceae).

4. **Laboratory records:** Laboratory note books (regularly signed) and slides (prepared in class) are to be submitted at the time of Practical Examination. Regular attendance in the class must be credited.

5. **Field excursion:** Local Excursions (at least two including one to Acharya Jagadish Chandra Bose Botanic Garden, Shibpur, Howrah)

6. **Field Records:** Field note book and 15 herbarium sheets of common Angiospermic weeds are to be prepared and submitted at the time of Practical Examination. Regular attendance in the class must be credited.

Attendance sheet

SERAMPORE GIRLS' COLLEGE

DEPARTMENT OF BOTANY

Semester-II

Student attendance sheet

Program: Local excursion at chinsurah

Date: 16/5/2023

Sl. No.	Roll Number	Semester	Signature of the student
1.	22777	II	Koyal Barik
2.	22782	II	Puja Shree
3.	22790	II	Sharvi Kumari
4.	22778	II	Neha Singh

Mrida 16/5/2023
Department of Botany
Serampore Girls' College
Serampore, Hooghly

PHOTOS OF THE EVENT





CIE/ Class test to identify advanced learner/ slow learner:

Department: Botany

Session: 2022-23

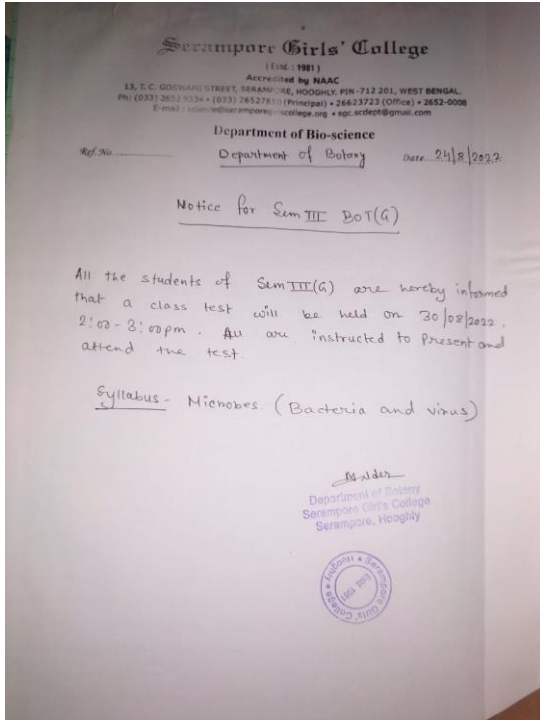
In CBCS, Continuous Internal Assessment, Class tests are very important part of the entire system. All examinations were taken in online mode. Not only assessment taken, based on assessment result special remedial classes/tests, doubt clearing has been arranged by the department. Some question paper and marks statements are attached bellow as supporting Documents.

Date of Exam	Semester	Course	Type
30/08/2022	III	CC3/GE3	Class test
07/09/2022	III	CC3/GE3	CIE-1
07/09/2022	V	DSE-A1	CIE-1
09/09/2022	V	SEC-A1	CIE-1
14/11/2022	III	CC3/GE3	Class test
16/11/2022	I	CC1/GE1	Class test
29/11/2022	V	DSE-A1	CIE-2
02/12/2022	V	SEC-A1	CIE-2
29/11/2022	III	CC3/GE3	CIE-2
01/12/2022	I	CC1/GE1	CIE-1
03/01/2023	I	CC1/GE1	Class test
28/03/2023	IV	CC4/GE4	CIE-1
28/03/2023	VI	DSE-B1	CIE-1
30/03/2023	IV	SEC-B1	CIE-1
02/05/2023	IV	CC4/GE4	CIE-2
02/05/2023	IV	SEC-B1	CIE-2
06/05/2023	VI	DSE-B1	CIE-2
03/05/2023	II	CC2/GE2	CIE-1
11/05/2023	IV	CC4/G4	CIE-2 (For AB candidates)

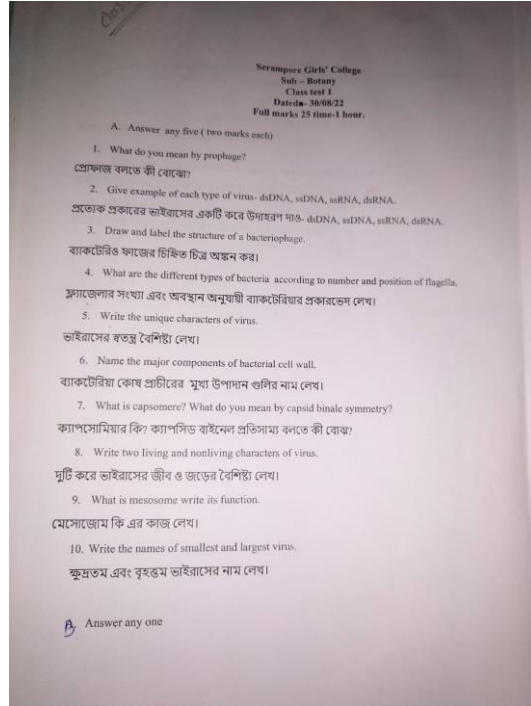
Odd semester

Class test for semester III

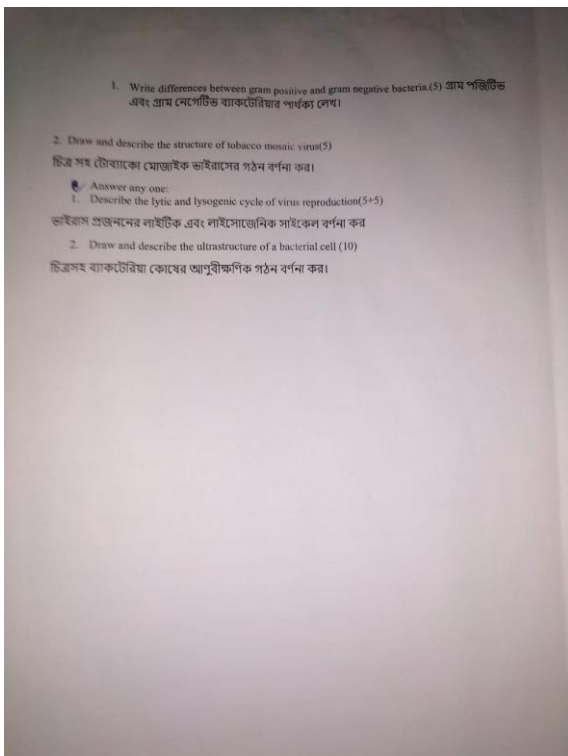
Notice for Class test sem-3



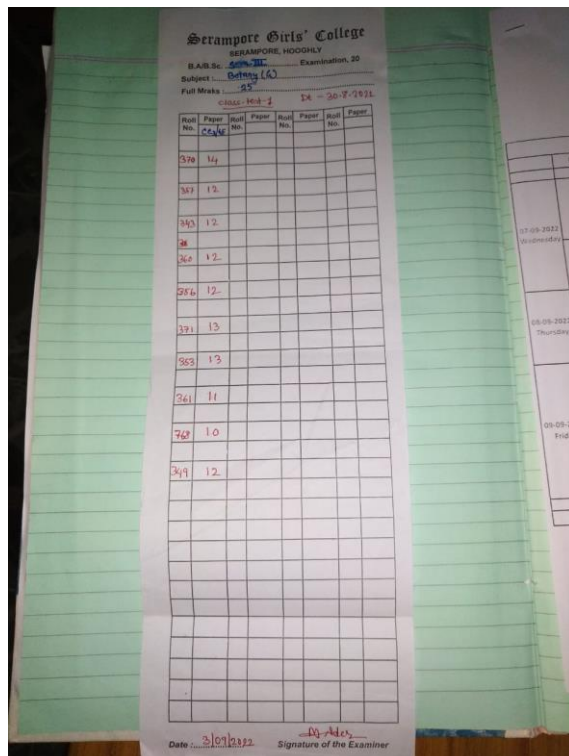
Question paper for sem-3 for 30/8/22



Continuation of Question paper for sem-3



Marks slip



Continuous internal evaluation (CIE)-1 for semester 5 and 3 Semester-5 held on September 2022

CIE-1 routine for 3rd and 5th semester

Question paper CIE-1 for Semester-5, DSE-A-1

SERAMPORE GIRLS' COLLEGE			
Continuous Internal Assessment (CIE-1) September 2022 for 3rd, 5th semester			
	11:00am-12:00pm	12:01-1:30pm	2:00-3:00pm
07-09-2022 Wednesday	3rd sem Hons CC5	3th Sem General Paper CC1/GE3 - English, Bengali, Political Science, Economics, Physics, Electronics, Botany	3th Sem General Paper CC3/GE3 - History, Education, Physical Education, Zoology, Mathematics
	5th sem Hons CC11	5th sem Hons DSE - A1	5th Sem General DSE - English, Bengali, Political Science, Economics, Physics, Electronics, Botany
08-09-2022 Thursday	3rd sem Hons CC6	2nd sem Hons SEC Paper	Philosophy General 3rd sem CC3/GE3, 5th sem DSE
	5th sem Hons CC12	5th sem Hons DSE - B1	5th Sem General DSE - History, Education, Physical Education, Zoology, Mathematics
09-09-2022 Friday	3rd sem Hons CC7	3th Sem General Paper CC3/GE3 - Geography, Sociology, Sanskrit, Hindi, Urdu, Music, Chemistry, Computer Science	3RD Sem General SEC Paper
	5th sem Hons SEC	5th Sem General Paper DSE - Geography, Sociology, Sanskrit, Hindi, Urdu, Music, Chemistry, Computer Science	5th Sem General SEC Paper
	Sirca S/Principal		Uttam Halder S/Convener
	Principal		Convener Routine Committee

Serampore Girls' College
Sem-V - CIE-1, 2022
BOTANY (G)
DSE-A-1
Phytochemistry and Pharmacognosy

Full marks 20, Time- 1 hour

A. Answer the following questions: (2X5)

- Write the chemical nature of vinblastin and reserpine.
বেলাষ্টিন এবং রিসের্‌পিনের রাসায়নিক প্রকৃতি উল্লেখ কর।
- Write the scientific name and family of digitalis.
ডিজিটালিসের বিজ্ঞানগত নাম এবং পরিবার।
- Write the name of two herbal plants which are used to treat diabetes.
সুস্বাদু রোগ উপশমের জন্য ব্যবহৃত দুই প্রকার ঘৃণি উদ্ভদের নাম লেখ।
- Ginger and turmeric belongs to which family?
অর্শা এবং হলুদ কোন পরিবারভুক্ত গাছ?
- From which plant capsaicin is extracted? Write its chemical nature.
ক্যাপসাইসিন কোন গাছ থেকে নিষ্কাশন করা হয়? এর রাসায়নিক প্রকৃতি লেখ।

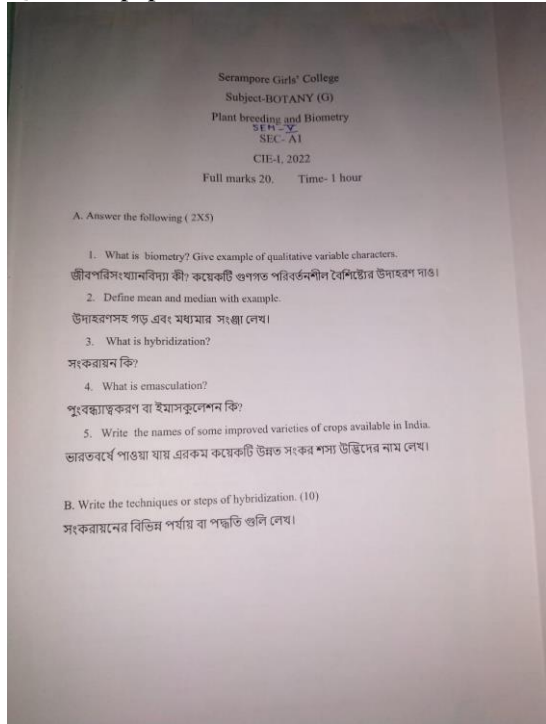
B. Name the source plant parts used and uses of the following: (2.5 X 4)

- Diosgenin
- Curcuminoid
- Strychnine
- Gingerol

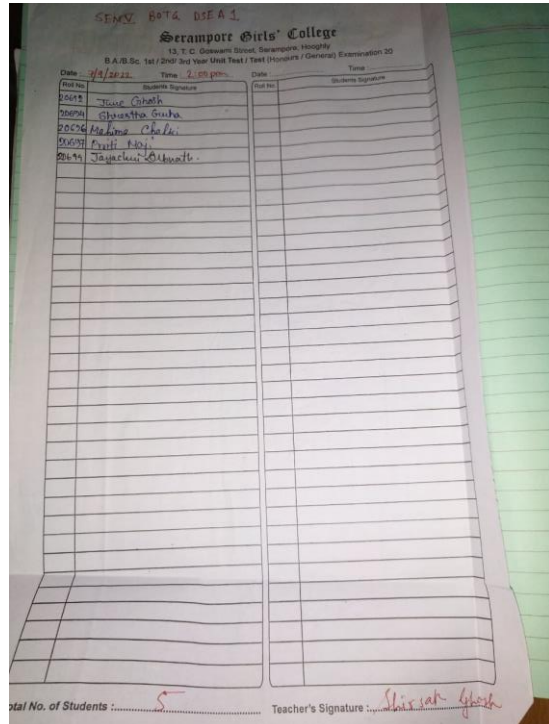
নিম্নলিখিত উপাদানগুলির উৎস উদ্ভিদ বা যন্ত্রক অংশ এবং ব্যবহার লেখ।

- ডায়োসজেনিন
- ক্যুরকুমিনয়েড
- স্ট্রিকনিন
- জিঞ্জেরল

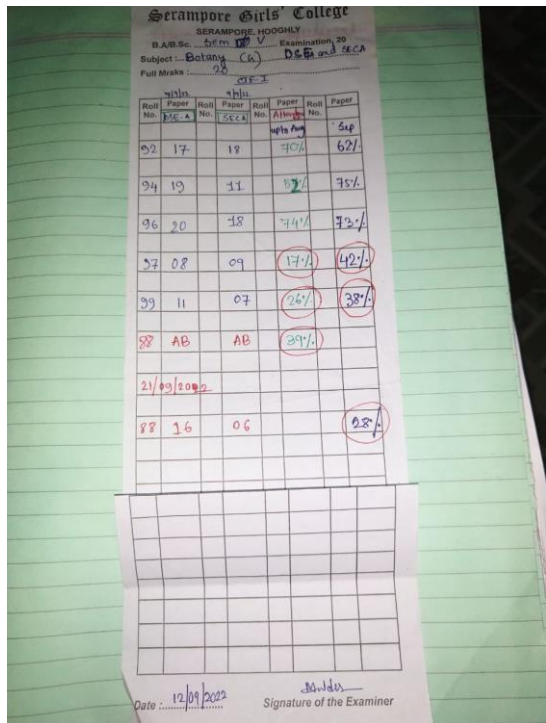
Question paper CIE-1 for Semester 5 SEC –A1



Attendance sheet for semester 5 CIE 1

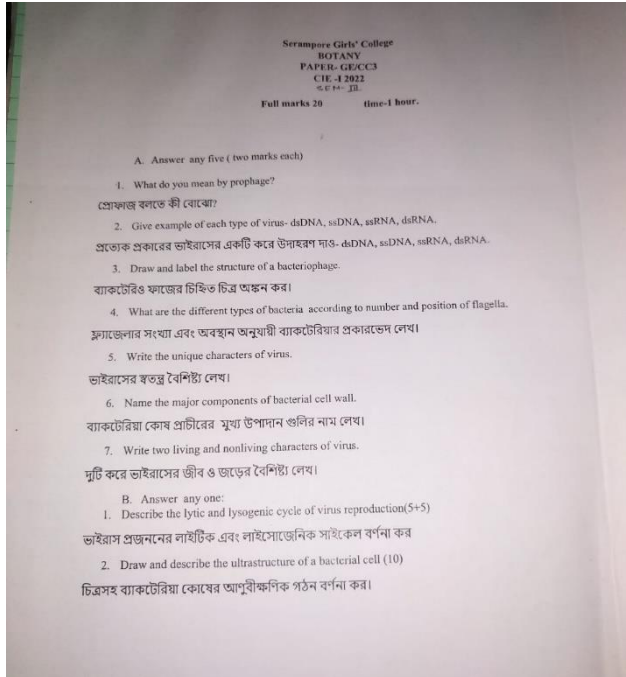


Marks slip of Semester-5 CIE-1

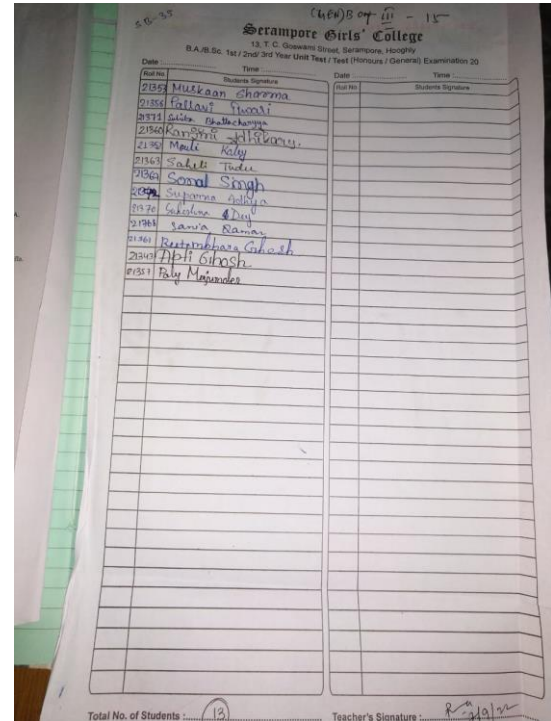


SEMESTER-3

Question paper CIE-1 for Semester 3 GE/CC3



Attendance sheet sem-3



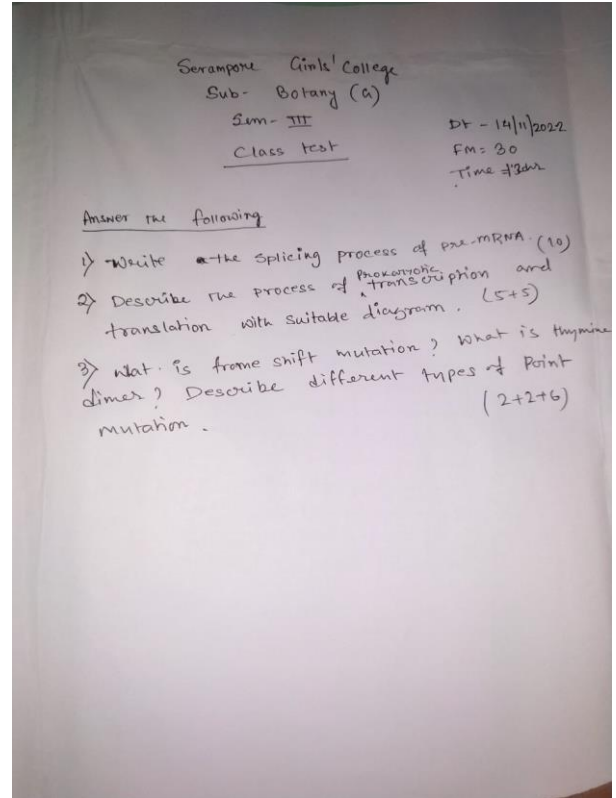
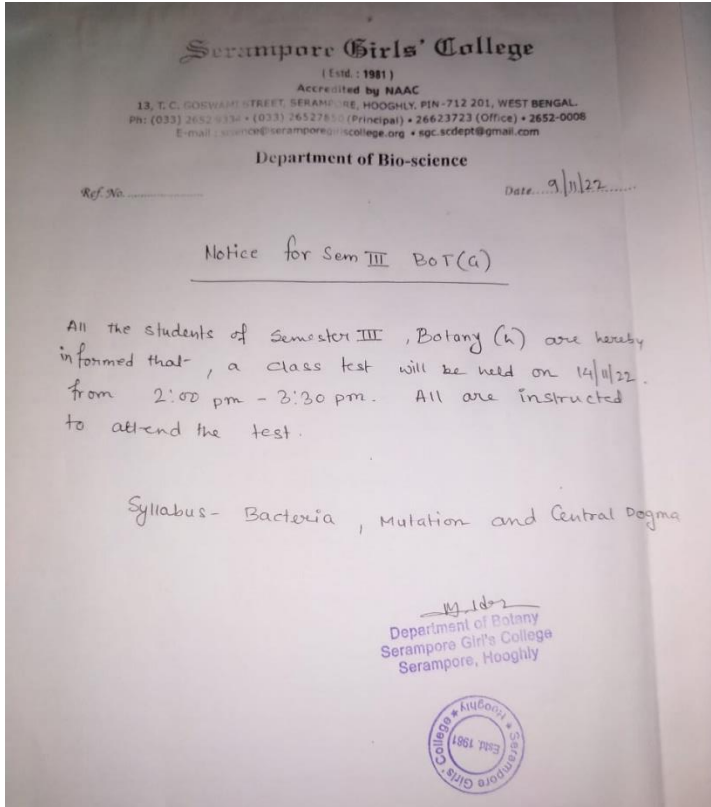
Marks slip of Semester-3 CIE-1

Serampore Girls' College
BOTANY
PAPER: GE/CC3
CIE-1 2022
SEM-3B
Full marks: 20

Roll No.	Mark	Percentage
2135	10	50%
2136	10	50%
2137	10	50%
2138	10	50%
2139	10	50%
2140	10	50%
2141	10	50%
2142	10	50%
2143	10	50%
2144	10	50%
2145	10	50%
2146	10	50%
2147	10	50%
2148	10	50%
2149	10	50%
2150	10	50%
2151	10	50%
2152	10	50%
2153	10	50%
2154	10	50%
2155	10	50%
2156	10	50%
2157	10	50%
2158	10	50%
2159	10	50%
2160	10	50%
2161	10	50%
2162	10	50%
2163	10	50%
2164	10	50%
2165	10	50%
2166	10	50%
2167	10	50%
2168	10	50%
2169	10	50%
2170	10	50%
2171	10	50%
2172	10	50%
2173	10	50%
2174	10	50%
2175	10	50%
2176	10	50%
2177	10	50%
2178	10	50%
2179	10	50%
2180	10	50%
2181	10	50%
2182	10	50%
2183	10	50%
2184	10	50%
2185	10	50%
2186	10	50%
2187	10	50%
2188	10	50%
2189	10	50%
2190	10	50%
2191	10	50%
2192	10	50%
2193	10	50%
2194	10	50%
2195	10	50%
2196	10	50%
2197	10	50%
2198	10	50%
2199	10	50%
2200	10	50%

Date: 12/07/2022 Signature of the Examiner

Class test for semester III On 14/11/22



Marks slip

Serampore Girls' College
SERAMPORE, HOOGHLY
Examination, 2022

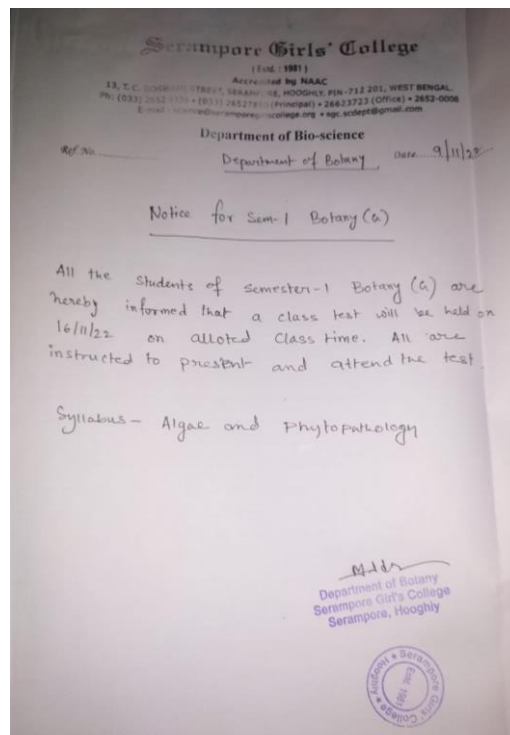
B.A/B.Sc. III
Subject: Botany (a)
Full Marks: 30
Exam date: 14/11/22

Roll No.	Paper No.	Marks
367	07	
361	06	
371	06	
379	13	
370	15	
256	05	

M. Idar
Department of Botany
Serampore Girls' College
Serampore, Hooghly

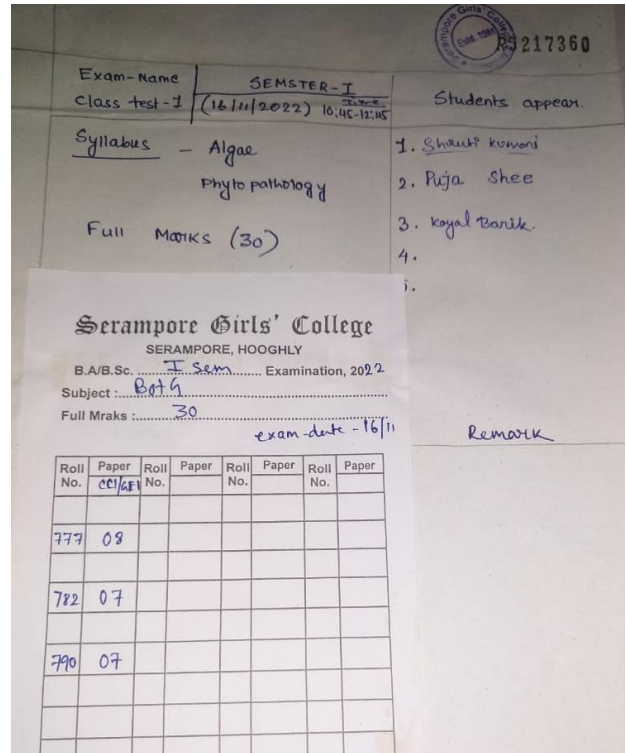
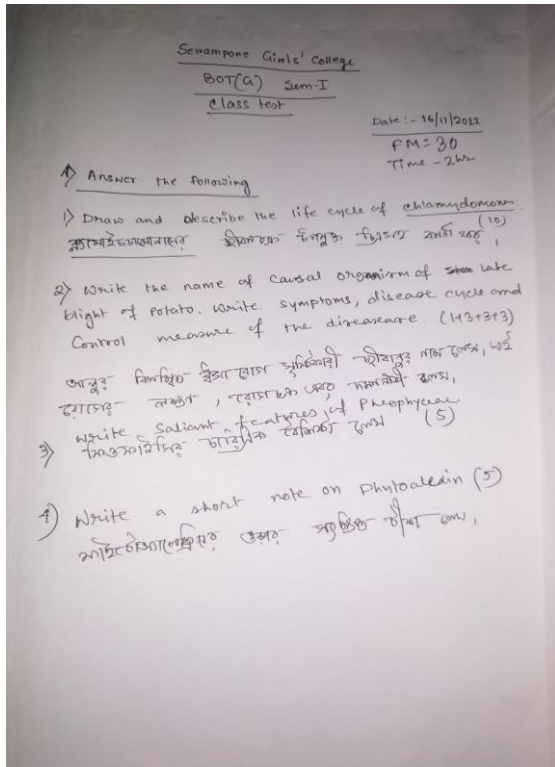
Date: 17/11/22
Signature of the Examiner

Class test for semester I on 16/11/22



Question paper 16/11/22

Marks slip



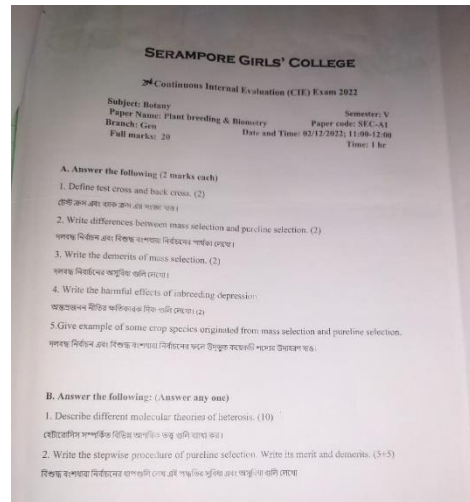
Continuous internal evaluation CIE-2 for 5 and 3 (CIE)-1 for semester and held on November-December 2022

Notice for CIE

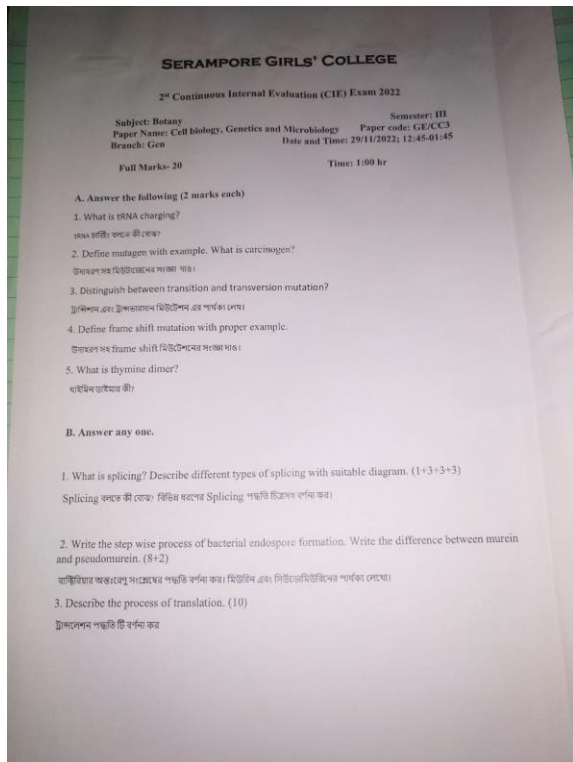
Question paper Sem-5 CIE-2 held on 2/12/22

SERAMPORE GIRLS' COLLEGE		DATE: 16/11/2022	
Continuous Internal Evaluation NOV-DEC 2022 for CIE 2 for 3rd, 5th Sem and CIE 1 for 1st Sem			
	11:00am-12:00pm	12:45-1:45 pm	2:30-3:30pm
29-11-2022 Tuesday	3rd sem Hons CC5	1st sem Hons CC1	1st Sem General Paper CC1/G1 - History, Education, Physical Education, Zoology, Mathematics.
30-11-2022 Wednesday	5th Sem General DSE - English, Bengali, Political Science, Economics, Physics, Electronics, Botany	3th Sem General Paper CC3/G3 - English, Bengali, Political Science, Economics, Physics, Electronics, Botany	5th sem Hons CC11
01-12-2022 Thursday	3rd sem Hons CC6	5th sem Hons CC12	1st Sem Hons CC2
02-12-2022 Friday	3rd Sem General SEC Paper	3th Sem General Paper CC3/G3 - History, Education, Physical Education, Zoology, Mathematics	Philosophy General 3rd sem-CC3/G3, 5th sem DSE
	3rd sem Hons CC7	5th sem Hons DSE A1	1st Sem General Paper CC1/G1 - English, Bengali, Political Science, Philosophy, Economics, Physics, Electronics, Botany
	3rd sem Hons SEC Paper	3th Sem General Paper CC3/G3 - Geography, Sociology, Sanskrit, Hindi, Urdu, Music, Chemistry, Computer Science	5th Sem General Paper DSE - Geography, Sociology, Sanskrit, Hindi, Urdu, Music, Chemistry, Computer Science
	3rd sem Hons SEC Paper	5th sem Hons DSE B1	1st Sem General Paper CC1/G1 - Geography, Sociology, Sanskrit, Hindi, Urdu, Music, Chemistry, Computer Science
	5th Sem General SEC Paper		
	Sem. Pr.		
	Principal		Convener Routine Committee

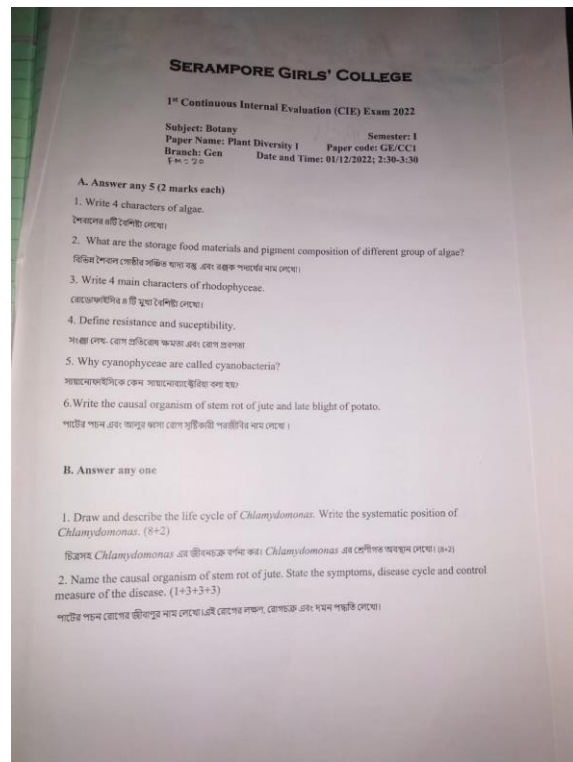
Sem. Pr.
Principal
Serampore Girls' College
Serampore, Hooghly



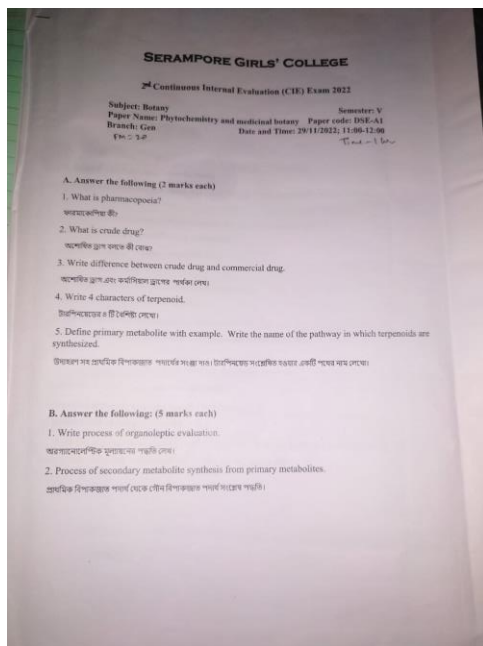
Question paper Sem-3 CIE-2 on 29/11/22



Question paper Sem-1 CIE-1 on 1/12/22



Question paper Sem-5 CIE-2 held on 29/11/22



Marks slip Sem-5 CIE-2

Serampore Girls' College
 SERAMPORE, HOOGHLY
 B.A.B.S., SERA'S V Examination 2022
 Subject: Botany (A)
 Full Marks: 20

CIE-2

Roll No.	Paper No.	Full Marks	Score	Grade	Pass
6580	2-5	20	14	B.C.	SL
6581	12-5	20	14	B.C.	SL
6582	05	20	14	B.C.	SL
6583	22	20	14	B.C.	SL
6584	05	20	14	B.C.	SL
6585	11	20	14	B.C.	SL

Date: 5/12/22 Signature of the Examiner: [Signature]

Marks slip Sem-III CIE-2

Serampore Girls' College
 SERAMPORE, HOOGHLY
 B.A./B.Sc. SEM-III Examination, 2022
 Subject - B.O.T. (A) CIE-2
 Full Marks - 20

Roll No.	Paper No.	Roll No.	Paper No.	Roll No.	Paper No.	Roll No.	Paper No.
343	09		58%				
349	09		56%				
352	11		56%				
353	07		56%				
356	07		42%				
357	04		42%	SL			
360	07		33%				
361	07		74%				
363	08		56%				
367	11		58%				
370	14		84%				
371	07		77%				
372	02		26%	SL	Mishra Sny		
768	09		67%				

Date: 5/12/2022 Signature of the Examiner

Attendance sheet Sem-5

Serampore Girls' College
 13, T. C. Goswami Street, Serampore, Hooghly
 B.A./B.Sc. 1st / 2nd / 3rd Year Unit Test / Test (Honours / General) Examination 20
 Date: 04/12/22 Time: 11:00 AM

Roll No.	Students Signature	Roll No.	Students Signature
20692	Jane Ghosh		
20696	Makina Chakraborty		
20698	Shreetha Guha		
20698	Ananya Das		
20697	Prishi Maji		
20695	Jaykeel Debbarth		

Total No. of Students : 6 Teacher's Signature : Shahnis Maji 4/12/22

Attendance sheet Sem-1

B.A./B.Sc. 1st / 2nd / 3rd Year Unit Test / Test (Honours / General) Examination 2022
 Date: 01/12/22 Time: 2:30-2:30 PM

Roll No.	Students Signature	Roll No.	Students Signature
740	Shruti Kumar		
743	Neha Singh		
744	SuPriya Ray		
777	Koyal Bask		
787	Rishi Das		

Total No. of Students : 5 Teacher's Signature : Shahnis Maji 01/12/22

List of Slow learner from 3rd and 5th semester

SERAMPORE GIRLS' COLLEGE
DEPARTMENT OF BOTANY
SEMESTER-3 (2022)
List of Slow learner Paper-GECC3-THEORY

Sl. No.	5-digit college roll	Name of the student	Marks of CIE-1	Marks of CIE-2	Attendance in %
1.	21357	Joty Majumdar	11	04	42%
2.	21370	Suparna Adhya	06	02	26%
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					

M. N. Das
8/12/22

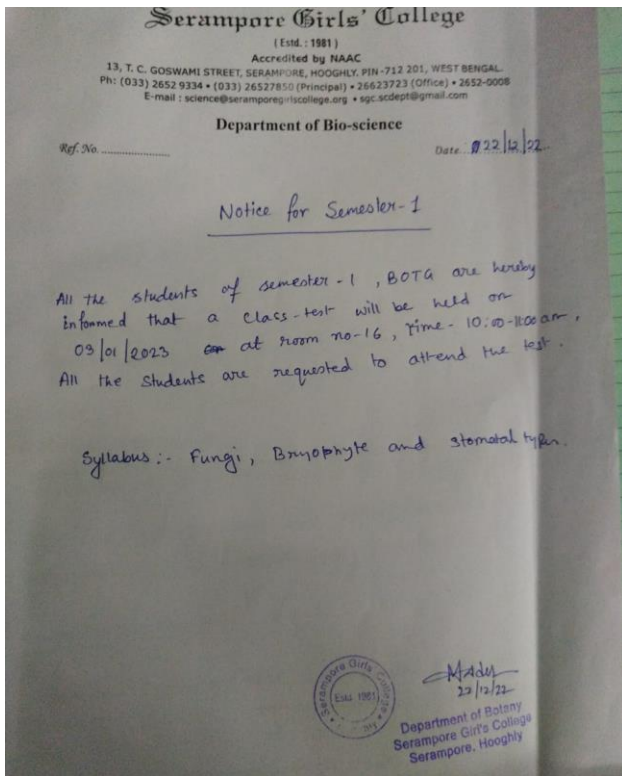
Department of Botany
Serampore Girls' College
Serampore, Hooghly

SERAMPORE GIRLS' COLLEGE
DEPARTMENT OF BOTANY
SEMESTER-5 (2022)
List of Slow learner Paper- DSE-A1 and SEC-A1

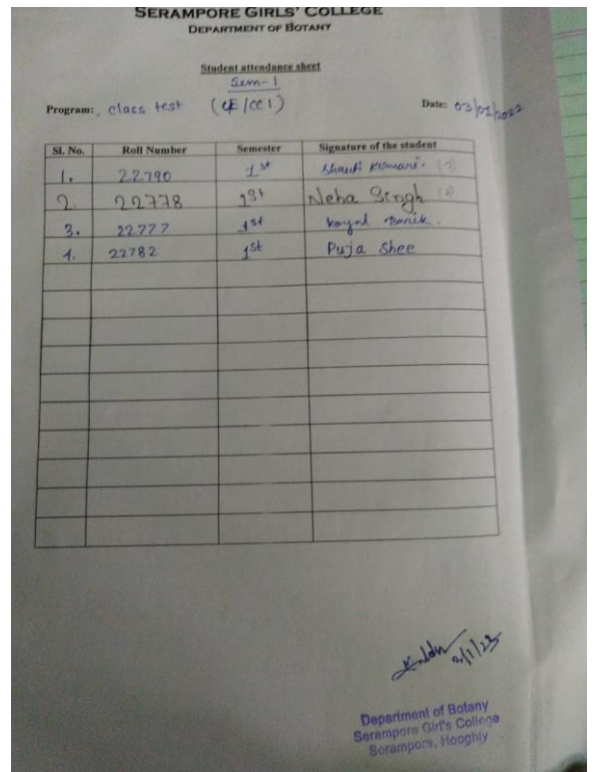
Sl. No.	5-digit college roll	Name of the student	Marks of CIE-1		Marks of CIE-2		Attendance in %
			DSEA-1	SECA-1	DSEA-1	SECA-1	
1.	20688	Ananya Das	16	06	2.5	2.5	59%
2.	20694	Shrestha Guha	19	11	05	2.5	81%
3.	20697 20697	Prithi Maji	08	09	05	3.5	37%
4.							
5.							
6.							

M. N. Das
8/12/22

Department of Botany
Serampore Girls' College
Serampore, Hooghly

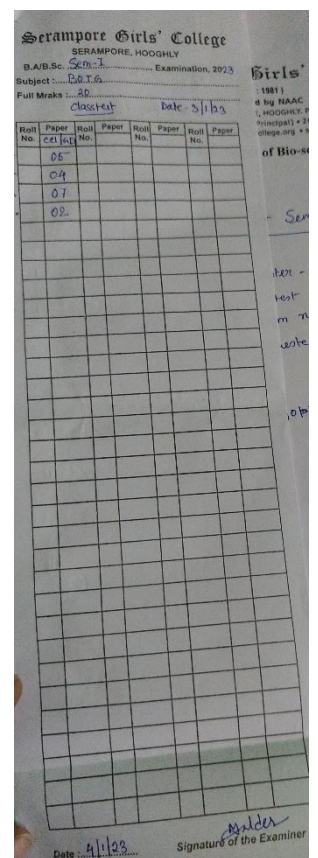
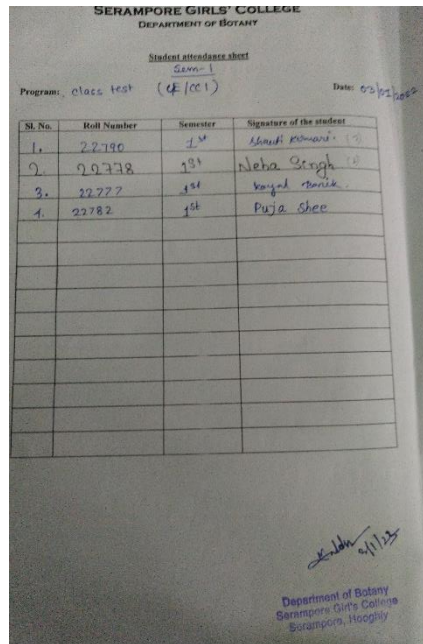
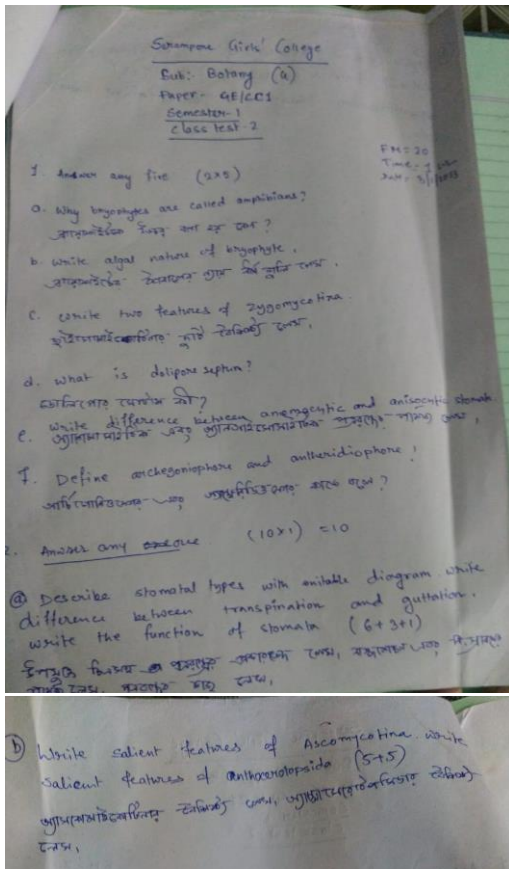


Question paper



Attendance sheet

Marks slip



Even semester

Continuous internal evaluation (CIE)-1 for semester 6 and 4 held on March 2023

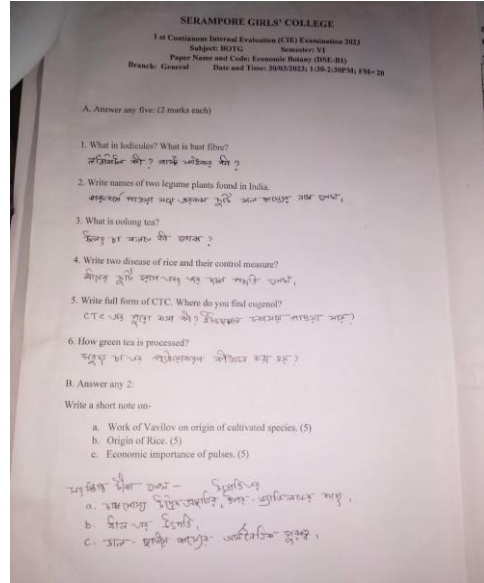
Notice

SERAMPORE GIRLS' COLLEGE			
Continuous Internal Evaluation (CIE) March 2023 for IV & VI semester			
Date of exam	Time	Subject	Remarks
28-03-2023 Tuesday	10:30 am - 12:30 P.M.	6th Sem Hons CC13 & CC14	4th Sem HONS CCB & CC9
	1:30 P.M. - 3:30 P.M.	4th Sem General Paper CC4/GE4 and SEC Paper- English, Bengali, Political Science, Philosophy, Economics, Physics, Electronics, Botany	6th Sem General DSE and SEC paper -History, Education, Physical Education, Zoology, Mathematics
29-03-2023 Wednesday	10:30 am - 12:30 P.M.	6th Sem Hons DSE A & DSE B	4th Sem HONS CC10 & SEC Paper
	1:30 P.M. - 3:30 P.M.	4th Sem General Paper CC4/GE4 and SEC Paper- History, Education, Physical Education, Zoology, Mathematics	6th Sem DSE for General paper - Geography, Sociology, Sanskrit, Hindi, Urdu, Music, Chemistry, Computer Science
30-03-2023 Thursday	10:30 am - 12:30 P.M.	4th Sem General CC4/GE4 and SEC paper - Geography, Sociology, Sanskrit, Hindi, Urdu, Music, Chemistry, Computer Science	6th Sem General DSE and SEC Paper - English, Bengali, Political Science, Economics, Philosophy, Physics, Electronics, Botany

Uttam Halder
17/3/2023
Convener, Routine Committee
Serampore Girls' College

Soma Ray, 17/3/23.
Principal
Serampore Girls' College
Serampore, Hooghly

Question paper sem-6



Attendance sheet Sem-6

BOTA - DSE B1
Serampore Girls' College
13, T. C. Goswami Street, Serampore, Hooghly

B.A./B.Sc. 1st/2nd/3rd Year Unit Test / Test (Honours / General) Examination 2023

Date: 30/03/23 Time: 1:30-2:30 PM

Roll No.	Students Signature	Roll No.	Students Signature
20647	Tanya Ghosh		
20648	Mahima Chakraborty		
20649	Prishi Das		
20650	Ananya Das		
20651	Jangshani Bhattacharya		

Total No. of Students : 5
Teacher's Signature : 18/3/2023

Marks slip

Serampore Girls' College
SERAMPORE, HOOGHLY
B.A./B.Sc. - SEM - VI Examination, 2023
Subject - BOTANY
Full Marks - 20

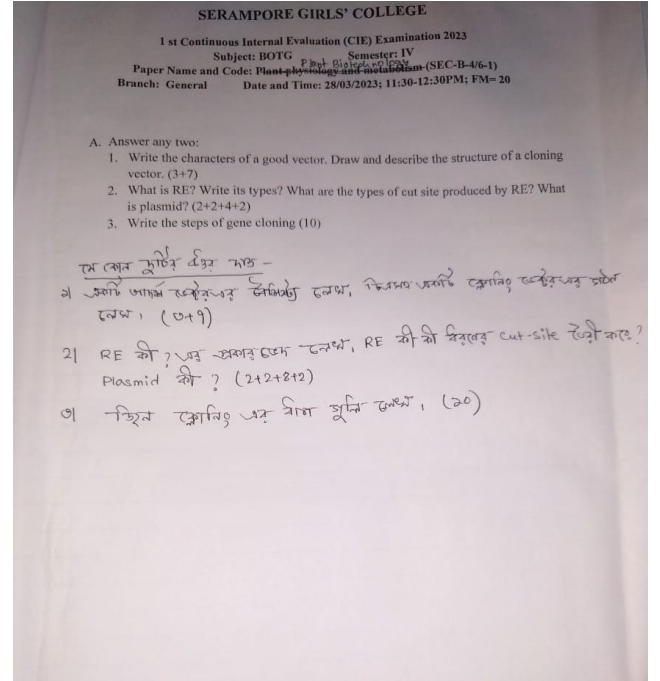
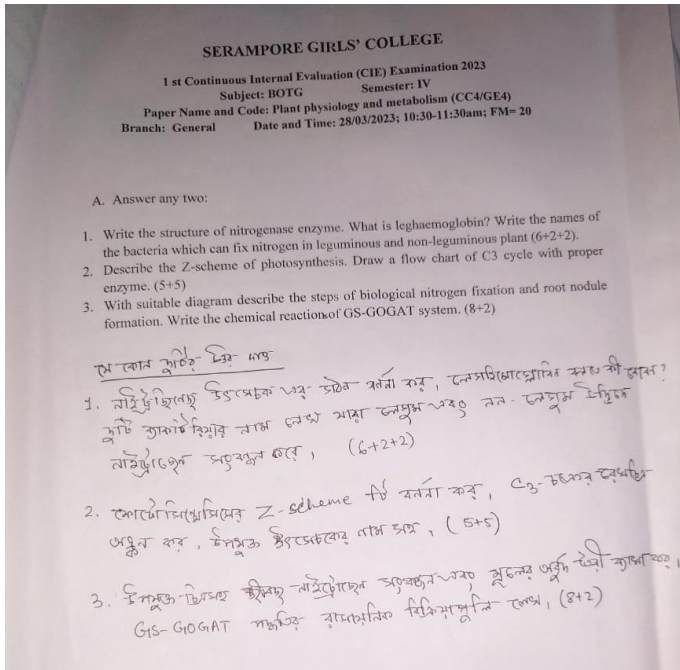
CIE-I Even Date - 28/03/2023

Roll No.	Paper No.	Roll No.	Paper No.	Roll No.	Paper No.
678	12	679	12	680	12
681	12	682	12	683	12
684	12	685	12	686	12
687	12	688	12	689	12
690	12	691	12	692	12
693	12	694	12	695	12
696	12	697	12	698	12
699	12	700	12	701	12

Date: 30/03/2023
Signature of the Examiner: H. Halder

Question paper sem-4, Paper-CC4/GE4

Question paper sem-4, Paper-SEC-B1



Marks slip

Serampore Girls' College
 SERAMPORE, HOOGHLY
 B.A.B.Sc. - Sec-IV Examination, 2023
 Subject: BOTG
 Full Marks: 20

Roll No.	Paper No.	Roll No.	Paper No.	Roll No.	Paper No.
393	08	75.1			
394	08	75.1			
395	11	63.1			
396	06	50.1			
396	05	26.1	SL		
397	07	75.1			
398	06	30.1			
399	03	50.1	SL		
399	16	63.1			
399	06	75.1			
400	07	75.1			

Date: 01/4/2023
 Signature of the Examiner

Continuous internal evaluation CIE-2 for semester 6 and 4 and CIE-1 for Sem-2

Routine

Serampore Girls' College
(Estd. 1981)
Re-Accredited by NAAC - Grade B (2nd Cycle)
13, T. C. GOSWAMI STREET, SERAMPORE, HOOGHLY, PIN-712 201, WEST BENGAL.
E-mail: serampore_girls_college@yahoo.co.in
Website: www.seramporegirlscollege.org

Ref. No. _____ Date 26/9/2023

SERAMPORE GIRLS' COLLEGE		
Continuous Internal Evaluation (CIE) May 2023 for IV & VI semester		
Date of exam	10:30am-12:30 noon	1:30-3:30 pm
02-05-2023 Tuesday	6th Sem Hons CC13 & CC14 4th Sem General Paper CC4/GE4 and SEC Paper - English, Bengali, Political Science, Economics, Physics, Electronics, Botany	4th Sem HONS CC8 & CC9 6th Sem General DSE and SEC Paper - History, Education, Physical Education, Zoology, Mathematics
4/5/2023 Thursday	4th Sem General Paper CC4/GE4 and SEC Paper - History, Education, Physical Education, Zoology, Mathematics	6th Sem DSE and SEC for General paper - Geography, Sociology, Sanskrit, Hindi, Urdu, Music, Chemistry, Computer Science 4th Sem General Paper CC4/GE4 and SEC Paper - Philology
05-05-2023 Friday	6th Sem Hons DSE A & DSE B 4th Sem General CC4/GE4 and SEC Paper - Geography, Sociology, Sanskrit, Hindi, Urdu, Music, Chemistry, Computer Science	4th Sem HONS CC10 & SEC Paper 6th Sem General DSE and SEC Paper - English, Bengali, Political Science, Economics, Philosophy, Physics, Electronics, Botany

Uttam Halder 26/9/23
Convener, Routine Committee
Serampore Girls' College

Question paper sem-6 DSE-B1

SERAMPORE GIRLS' COLLEGE
2nd Continuous Internal Evaluation (CIE) Examination 2023
Semester: VI
Subject: BOTG
Paper Name: Economic Botany: Code: DSE - B-1
Batch: General Date and time: 06/05/2023; 1:30-2:30
FM-20 Duration: 1hr

Answer any 2:

- Write scientific name, family, parts used and uses of tea, ground nut, sugarcane and ginger (2.5x4)
বিস্তারিত চাউ গাছের বিজ্ঞান ক্ষেত্র নাম, পরিবার, ব্যবহৃত অংশ এবং ব্যবহার লক্ষ্য, (২.৫x৪)
- Write the morphology of tea plants and its uses. (7+3)
চা গাছের আনুভূমিক বৈশিষ্ট্য এবং ব্যবহার লক্ষ্য। (৭+৩)
- Write scientific name and family of mong and gram. Write the uses of black gram. Name the causal organism of tea and rice. (4+4+2)
মুগ এবং গমের বিজ্ঞান ক্ষেত্র নাম এবং পরিবার লক্ষ্য, ব্যাকটেরিয়ায় চাউর এবং গমের, চাউর রোগের কারণকারী জীবাণু নাম লক্ষ্য।

Marks slip sem-6

Serampore Girls' College
SERAMPORE, HOOGHLY
B.A/B.Sc. Sem. VI Examination, 20
Subject: Botany DSE - B1
Full Marks: 20 CIE-2 01/05/23

Roll No.	Paper No.	Roll No.	Paper No.	Roll No.	Paper No.
609	10				
602	11				
606	12				
607	08				
609	12				

Date: 08/05/2023 Signature of the Examiner

Question paper Sem-4 CC4/GE4

SERAMPORE GIRLS' COLLEGE
2nd Continuous Internal Evaluation (CIE) Examination 2023
Semester: IV
Subject: BOTG
Paper Name: Plant Physiology and metabolism: Code: CC4/GE4
Batch: General Date and time: 05/05/2023; 1:30-2:30
FM-20 Duration: 1hr

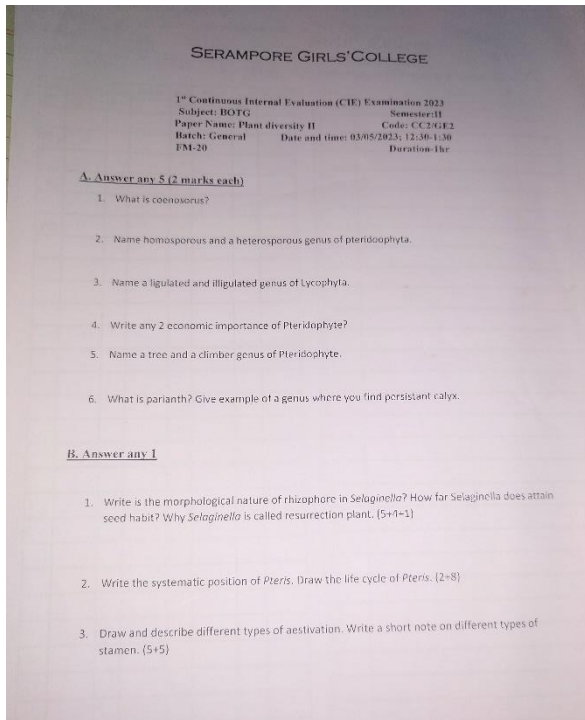
A. Answer any 5 (2 marks each)

- Name one natural auxin and one synthetic auxin?
একটি প্রাকৃতিক এবং একটি কৃত্রিম অক্সিন উল্লেখ করুন।
- Write the link reaction in respiration?
শ্বসনের লিঙ্ক বিক্রিয়াকে কী বলা হয়?
- Write any 2 function of auxin. Write the name of auxin inhibitor.
অক্সিনের দুইটি কার্য লক্ষ্য, অক্সিন প্রতিরোধী পদার্থের নাম লক্ষ্য।
- Write the reaction of substrate level phosphorylation with proper enzyme.
Substrate level phosphorylation এর বিক্রিয়াকে সঠিকভাবে লিখুন।
- What is "foolish seedling disease or bakanae disease"?
"Foolish seedling disease or bakanae disease" কী বলা হয়?
- Name the plant growth regulators function antagonistically on seedling germination. Write names of their precursor molecule.
বীজের অঙ্কুরোদগমের উপর বিপরীতভাবে কাজ করা পৌষ্টিক নিয়ন্ত্রকগুলোর নাম লক্ষ্য, তাদের পূর্বসূরী পদার্থের নাম লক্ষ্য।

B. Answer any one:

- Write the role of ABA in stomatal opening and closing. Write the role of IAA in gravitropism. (7+3)
পত্রের খোলন এবং বন্ধকরণে ABA এর ভূমিকা লক্ষ্য, অভিকর্ষীয় প্লেটো IAA এর ভূমিকা লক্ষ্য।
- Write the role of GA in seed germination. How auxin induce cell expansion? (7+3)
বীজের অঙ্কুরোদগমে GA এর ভূমিকা লক্ষ্য, কীভাবে অক্সিন কোষ প্রসারণ ঘটায়? (৭+৩)

SEM-2 CIE-1 Question paper.

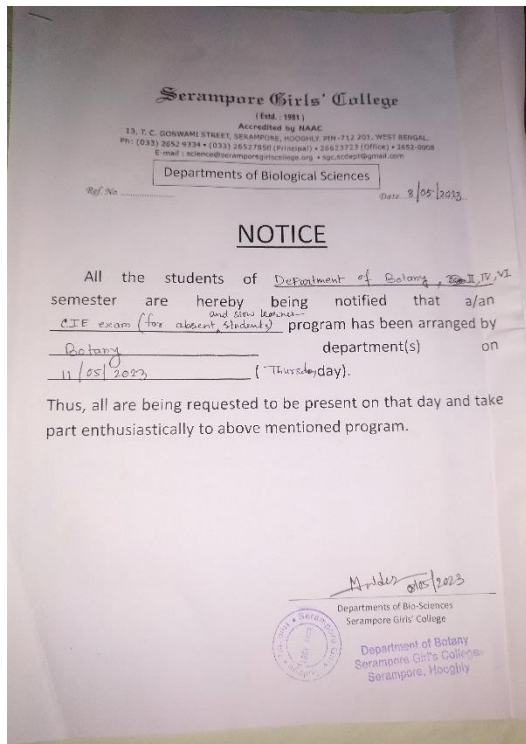


Marks slip Sem-2

Roll No.	Paper No.	Roll No.	Paper No.	Roll No.	Paper No.
777	11				
782	15				
790	11				

Date: 04/05/2023
 Signature of the Examiner

CIE re test for absent student



Signature sheet

SERAMPORE GIRLS' COLLEGE
 DEPARTMENT OF BOTANY

Student attendance sheet
 Sem-IV
 Program: CIE for student absent on Particular day of exam and also learners Date: 11/05/2023

Sl. No.	Roll Number	Semester	Signature of the student
1	21349	IV	Lipika Dasg.
2	21356	IV th	Pallavi Misra
3	21363	IV th	Saheli Tudu
4	21343	IV th	Apni Ghosh
5	21370	IV th	Sakshita Dasg.

M. Jha
 11/05/2023
 Department of Botany
 Serampore Girls' College
 Serampore, Hooghly

ACADEMIC SESSION 2022-2023

2.6.2 Attainment of program outcome and Course Outcome are evaluated:

(Only for SEM VI)

Subject: Botany (General)

GENERAL

2022-23 offline Centralized CIE result analysis (**SEM VI DSE PAPER**)

1. PERFORMANCE ANALYSIS OF THE STUDENT- (IN PERCENTAGE) IN FIVE POINT SCALE.

	TOTAL NUMBER OF STUDENTS APPEARED	EXCELLENT- ABOVE 90%	VERY GOOD- ABOVE 80%	GOOD- ABOVE 60%	AVERAGE- ABOVE 40%	POOR- BELOW 40%
CIE-1	5	1 (20%)	1 (20%)	2 (40%)	1 (20%)	0
CIE-2	5	0	1 (20%)	2 (40%)	2 (40%)	0

Marks slip of 2 Continuous internal evaluation

CIE-1

Serampore Girls' College
SERAMPORE, HOOGHLY

B.A/B.Sc. ... SMA-VI ... Examination, 2023
Subject : ... Botany ...
Full Marks : ... 20 ...
CIE-1 Exam Date - 30/3/2023

Roll No.	Paper DSE By	Roll No.	Paper	Roll No.	Paper	Roll No.	Paper
688	12						
692	17		84.6%				
696	18		92.3%				
697	09		15.3%				
699	12		30.7%				

Date : 4/04/2023 Signature of the Examiner M. Jeyaraj

CIE-2

Serampore Girls' College
SERAMPORE, HOOGHLY

B.A/B.Sc. ... SMA-VI ... Examination, 2023
Subject : ... Botany ...
Full Marks : ... 20 ...
CIE-2 6/5/2023

Roll No.	Paper DSE By	Roll No.	Paper	Roll No.	Paper	Roll No.	Paper
688	10						
692	12						
696	17						
697	08						
699	12						

Date : 08/05/2023 Signature of the Examiner M. Jeyaraj

No students score below 40%, 1 AB. No doubt clearance or remedial classes arranged.

Departmental activities

Report on Student centric method of teaching learning

Organising Department: Jointly organized with Department of Zoology and Chemistry.

Academic Session: 2022-23

Report on: **Open House program**

Type of the Activity: Problem solving

Objective of the Event: To help student understanding their needs and queries about better learning experiences.

Date: 10/05/2023

Time of the Event: 12:00 noon-1:00pm

Number of attendees: (a) Student: 5 students of first semester

(b) Teacher: 1 (Dr. Madhusree Halder)

Venue: Room number- NB13, Serampore Girls' College

Outcome: Students open up about their own queries that helps teacher to understand how to guide them for better teaching-learning experiences.

Report on Students centric method of teaching learning

Organising Department: Jointly organized with Department of Zoology and Chemistry

Academic Session: 2022-23

Report on: Quiz program

Type of the Activity: Participative Learning

Objective of the Event: To encourage students to have knowledge outside their syllabus on relevant topics.

Date: 08/05/2023

Time of the Event: 12:30pm-3:00pm

Number of attendees: (a) Student: 11 students from 4th semester

(b) Teacher: Dr. Madhusree Halder

Venue: Room number, NB13, Serampore Girls' College

Outcome: Students become enthusiastic about gaining knowledge on the relevant topics but little more outside their own study syllabus.

Notice

Serampore Girls' College

(Estd. 1881)
Accredited by NAAC
13, T. C. GOSWAMI STREET, SERAMPORE, HOOGHLY, PIN-712 201, WEST BENGAL.
Ph: (033) 2652 9334 • (033) 2652 7850 (Principal) • 26623723 (Office) • 2652-0008
E-mail: science@seramporegirlscollege.org • sgc_scoep@gmail.com

Departments of Biological Sciences

Ref. No. _____ Date: 06/05/2023

NOTICE

All the students of Bio Sciences, all (C, 4 & 6) semester are hereby being notified that a/gn Quiz Competition program has been arranged by all the department(s) on 08th May, 2023 (Monday).

Thus, all are being requested to be present on that day and take part enthusiastically to above mentioned program.

M. N. D.
Department of Chemistry
Serampore Girls' College
Serampore, Hooghly

M. N. D.
Department of Botany
Serampore Girls' College
Serampore, Hooghly

M. N. D.
Department of Zoology
Serampore Girls' College
Serampore, Hooghly

Students attendance sheet

Serampore Girls' College

Department(s) of Biological Sciences

Attendance sheet

Program: Quiz Competition Date: 08/05/2023

Sl. No.	Name	Roll No.	Attendance	Contact			
1.	Aarti Ghosh	21343	Absent	6291098396			
2.	Rishabhendu Chakrabarti	21361	Absent	6291052579			
3.	Neelika Ghosh	21374	Absent	8560063074			
4.	Muskan Sharma	21353	Absent	9330908741			
5.	Kallol Prasad	21356	Absent	7250170402			
6.	Sonal Singh	21369	Absent	6291051301			
7.	Souvik Ghosh	21768	Absent	6176247320			
8.	Lipika Ghosh	21349	Absent	9330548072			
9.	Sudhansu Das	21370	Absent	949594149			
10.	Sakshi Das	21363	Absent	80946507			
11.	Mauli Koley	21352	Absent	918193630			

M. N. D.
Department of Botany
Serampore Girls' College
Serampore, Hooghly

M. N. D.
Department of Zoology
Serampore Girls' College
Serampore, Hooghly

M. N. D.
Department of Chemistry
Serampore Girls' College
Serampore, Hooghly

Photos of quiz competition jointly organized by Department of Botany, Zoology & Chemistry



Report on Student centric method of teaching learning

Organising Department: Botany

Academic Session: 2022-2023

Report on: ICT classes.

Type of activity: ICT

Objective of the Event: For better understanding of students

Date: 29/08/2023 (Sem-1)

Time of the Event: 9:45-10:45pm

Date: 30/08/2023 (Sem-3)

Time of the Event: 2:00-3:00pm

Date: 25/08/2023 (Sem-5)

Time of the Event: 11:45-12:45pm

Date: 15/05/2023 (Sem -2)

Time of the Event: 01:00-2:00pm

Date: 16/03/2023 (Sem -4)

Time of the Event: 12:45-1:45pm

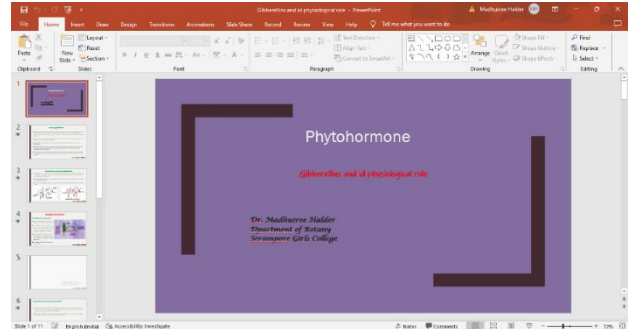
Number of attendees: (a) Student: 4 students of semester I, 12 students of sem III
3 students of semester V, 4 students of semester II, 10 students of semester IV,
(b) Teacher: Dr. Madhusree Halder

Venue: Room number-NB13, Bio science lab. Serampore Girls College

Outcome: Students get benefitted by those classes with video and animation of relevant topic of their syllabus.



ICT class of semester I



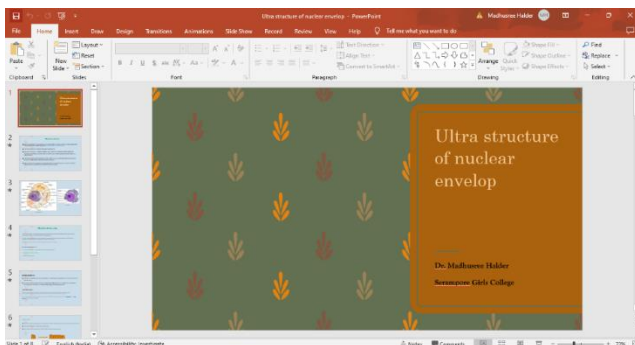
ICT class of semester IV



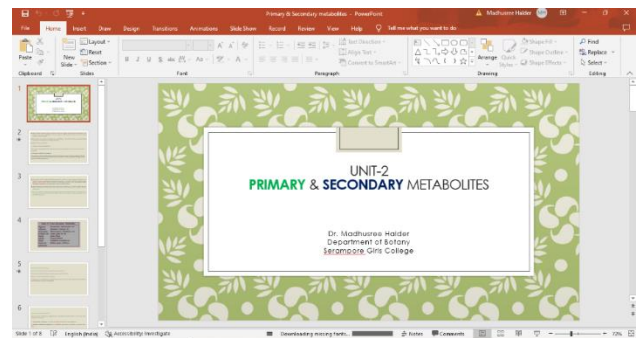
ICT class of semester II



ICT class of semester IV



ICT class of semester III



ICT class of semester V

Report about Parent Teachers Meeting

Department: Botany (Organized jointly with Zoology and Chemistry)

Session: 2022-23

Date: 28/09/2022

Semester: III & V

Venue: NB13, Serampore Girls' College

Time: 10:30-01:00 pm

1. On the behalf of Department we have shown students' attendance (in %), CIE results and behaviour of students to Parents
2. We have taken feedback from parents about their daughters teaching learning and evaluation by this CIE /or internal assessment procedure.
3. Conclusion by HOD:

The main agenda of this meeting was to discuss different issues regarding teaching learning process, to take parent's opinion about teaching learning process. Taking their suggestions to improve our amenities. Discuss about student's study time at home, study material, their problems. Students and their parents took part enthusiastically. It was beneficial for students as well as for us to understand their point of view.

Notice

Ph. : (033) 29623723 (Office)
Serampore Girls' College
 (Estd.: 1981)
 Re-Accredited by NAAC : Grade B (2nd Cycle)
 13, T. C. GOSWAMI STREET, SERAMPORE, HOOGHLY, PIN-712 201, WEST BENGAL.
 E-mail : serampore_girls_college@yahoo.co.in
 Website : www.seramporegirlscollege.org

Ref. No.

Date 23/09/2022

NOTICE

Students of Departments of bio-Sciences are hereby being notified that a **Parent-Teacher Meeting (PTM)** has been organized, on **28th September, 2022 (Wednesday)**; from **10:30 am-1:00 p.m.** Students of 3rd and 5th semesters are being requested to attend the program along with their parents, positively at the mentioned time. Dr. Madhusree Halder, Dept. of Botany; Dr. Ipsita Chakroborty, Dept. of Chemistry; Dr. Ananya Ali, Dept. of Zoology will host the program, jointly.

The schedules are as below mentioned:

- 1) PTM for fifth semester students: 10:30 am - 11:30 am.
- 2) PTM for third semester students: 11:30 am - 01:00 pm.

Halder
 Department of Botany
 Serampore Girl's College
 Serampore, Hooghly

Ipsita Chakroborty
 Department of Chemistry
 Serampore Girl's College
 Serampore, Hooghly

Ananyadi
 Department of Zoology
 Serampore Girl's College
 Serampore, Hooghly

Report

Serampore Girls' College
 Departments Of Biological Sciences

Report of Parent Teacher Meeting Program 2022-23.

Date 28/09/2022

On 28th of September, 2022; the faculties of Departments of biological sciences organized a Parent Teacher Meeting (PTM) Program for third and fifth semester students to discuss about their performances in earlier taken Continuous Internal Assessment 1 (CIA1), for odd semesters, 2022. At very first, we would like to express our sincere gratitude towards Dr. Soma Roy, honourable Principal of our well reputed institute Serampore Girls' College; for her valuable permission for this program to be arranged. Dr. Madhusree Halder from Dept. Of Botany, Dr. Ipsita Chakroborty from Dept. Of Chemistry and Dr. Ananya Ali from Dept. Of Zoology worked harmoniously to arrange and assemble all the works regarding this program to take place.

Students and their parents took part enthusiastically and we the faculty members one by one discussed the performances of students in CIA1, including the students' attendances during class hours of working days. Also, we tried to find out how could the institute and faculties help students who have not done too well in class tests. Most of the parents and students were agreeing that the low achievements were mostly due to their own insincerities and promised to score better in exams in coming days for sure.

At mostly all the parents were quite happy by departments teaching methods and not complained anything severe that can be reported.

All the member of Department of Biological Sciences will surely concentrate to improve further and are hopeful that in coming days any problem, if come, will surely be sorted out as much as possible to upgrade the teaching learning process for the students.

Halder
 Department of Botany
 Serampore Girl's College
 Serampore, Hooghly

Ipsita
 28-9-22
 Department of Chemistry
 Serampore Girl's College
 Serampore, Hooghly

Ananyadi
 Department of Zoology
 Serampore Girl's College
 Serampore, Hooghly

Attendance sheet

Serampore Girls' College
 Departments of Biological Sciences
 Parent-Teacher Meeting Date: 28/09/2022

Attendance sheet 3rd Semester

No	College Roll	Students' Name	Contact No.	Sign	Parents Name (relation)	Parents Contact No.	Sign
1	21343	Apiu Ghosh					
2	21349	Lipika Soren	98936578072	Lipika Soren	Mary Soren (Mother)	8291985592	<i>Mary Soren</i>
3	21352	Mouli Koley					
4	21353	Muskan Sharma	9330908241	Muskan Sharma	Kiran Sharma	9903132858	<i>Kiran Sharma</i>
5	21356	Pallavi Tiwari	7250190792	Pallavi Tiwari	Rina Tiwari	7250190992	<i>Rina Tiwari</i>
6	21357	Poly Majumdar					
7	21360	Ranjini Adhikary					
8	21361	Reetambhara Ghosh	6291458579	Reetambhara Ghosh	Rishi Ghosh (Father)	9830802657	<i>Rishi Ghosh</i>
9	21363	Suheli Tudu					
10	21367	Sonal Singh	21367	Sonal Singh	Mohit Singh (brother)	810003712	<i>Mohit Singh</i>
11	21370	Sudeshna Dey	0149954114	Sudeshna Dey	about due to illness		
12	21371	Suhita Bhattacharya	9585068074	Suhita Bhattacharya	Kabir Bhattacharya	609163183	<i>Kabir Bhattacharya</i>
13	21372	Suparna Adhya	Shampa Adhya	Shampa Adhya	Shampa Adhya	9930335703	
14	21768	Sania Qamar	6290497350	Sania Qamar	Sania Qamar	8100037077	<i>Sania Qamar</i>
15							

Halder
 Department of Botany
 Serampore Girl's College
 Serampore, Hooghly

Ipsita
 28-9-22
 Department of Chemistry
 Serampore Girl's College
 Serampore, Hooghly

Ananyadi
 Department of Zoology
 Serampore Girl's College
 Serampore, Hooghly

Serampore Girls' College
 Departments of Biological Sciences
 Parent-Teacher Meeting Date: 28/09/2022

Attendance sheet 5th Semester

No	College Roll	Students' Name	Contact No.	Sign	Parents Name (relation)	Parents Contact No.	Sign
1	20688	Ananya Das	6290335202	Ananya Das	Anindira Das (Mother)	844988640	<i>Anindira Das</i>
2	20692	June Ghosh					
3	20694	Shrestha Guha	7499600034	Shrestha Guha	Guardian absent due to work		
4	20696	Mahima Chalki	747812804	Mahima Chalki	Akshay Chalki (brother)	900769535	<i>Akshay Chalki</i>
5	20697	Priiti Majhi	707662909	Priiti Majhi	Nanda Majhi	7076629079	<i>Nanda Majhi</i>
6	20699	Jayashree Debnath	967430976	Jayashree Debnath	Jayashree Debnath	Parent is absent due to personal issue	
7							
8							

Halder
 Department of Botany
 Serampore Girl's College
 Serampore, Hooghly

Ipsita
 28-9-22
 Department of Chemistry
 Serampore Girl's College
 Serampore, Hooghly

Ananyadi
 Department of Zoology
 Serampore Girl's College
 Serampore, Hooghly

Doubt clearance (To combat internal examination related Grievance)

Name of Department: Botany

Session: 2022-23

Date of Exam	Semester	Course	Name Teacher clearing doubts
08/12/2022	V	SEC-A-1	Dr.Madhusree Halder
22/06/2023	IV	SEC-B-1	Dr.Madhusree Halder

Semester-5 Doubt clearance 8/12/2022

Ph. : (033) 26623723 (Office)
(033) 26527850 (Principal)

Serampore Girls' College
(Estd. 1981)
Re-Accredited by NAAC : Grade B (2nd Cycle)
13, T. C. GOSWAMI STREET, SERAMPORE, HOOGHLY, PIN-712 201, WEST BENGAL.
E-mail : serampore_girls_college@yahoo.co.in
Website : www.seramporegirlscollege.org

Department of Botany
Notice for doubt clearance class

Date: 01/12/2022

All the students of semester V Botany (G), especially the slow learners who scored less than 30% in CIE 1 and 2 are here by informed that a doubt clearing will be organized on 08/12/2022. All are instructed attend the class. Timing of class 10-11 am.

Madhu 1/12/22
Signature of teacher with stamp

Department of Botany
Serampore Girl's College
Serampore, Hooghly

SERAMPORE GIRLS' COLLEGE
DEPARTMENT OF BOTANY

Student attendance sheet

Program: Doubt clearance class Date: 8/12/2022

Sl. No.	Roll Number	Semester	Signature of the student
1.	20688	5 th	Ananya Das
2.	20694	5 th	Shreetha Guha
3.	20699	5 th	Jayashree Ghosh
4.	20697	5 th	Prati Moya
5.	20696	5 th	Mahima Chakri

Madhu
8/12/22

Department of Botany
Serampore Girl's College
Serampore, Hooghly

Remedial classes/tests (To combat internal examination related Grievance)

Name of Department: Botany

Session: 2022-23

Date of Exam	Semester	Course	Name Teacher clearing doubts
07/12/2022	V	DSE-A-1	Dr.Madhusree Halder
08/12/2022	V	SEC-A-1	Dr.Madhusree Halder
12/12/2022	III	CC3/GE3	Dr.Madhusree Halder
13/12/2022	V	SEC-A-1	Dr.Madhusree Halder
20/12/2022	III	CC3/GE3	Dr.Madhusree Halder
20/12/2022	V	DSE-A1	Dr.Madhusree Halder
21/12/2022	V	SEC-A-1	Dr.Madhusree Halder
22/12/2022	III	CC3/GE3	Dr.Madhusree Halder

Semester 5

Test on- SEC A1 paper 13/12/2022

Signature sheet

SERAMPORE GIRLS' COLLEGE
DEPARTMENT OF BOTANY

Student attendance sheet

Program: Semester test Date: 13/12/2022

Sl. No.	Roll Number	Semester	Signature of the student
1.	20688	5 th	Ananya Das
2.	20694	5 th	Shanika Guha
3.	20699	5 th	Jayashree Debbarshi
A.	20699	5 th	Priiti Hoji
5.	20696	5 th	Makima Chakraborty
6.	20692	5 th	Jane Ghosh

M. K. Das
13/12/22
Department of Botany
Serampore Girls' College

Question paper

Serampore Girls' College
Sub: BOTG
Semester-V
Paper-SECA-1 (Plant breeding and biometry)
Remedial class test

Full marks: 80 Time: 3 hr Date: 13/12/2022

- Answer any 10: (10×2)
 - Define Biometry.
 - What is hybrid vigour?
 - Define mean & mode.
 - Differentiate between auto & allopolyploidy.
 - Write the objectives of plant breeding.
 - Define heterosis.
 - What is emasculation?
 - Write the formulae of SD & SE.
 - What do you mean by goodness of fit?
 - What is cross pollination?
 - What do you mean by hexaploid wheat?
 - Define apogamy and apogony.
 - Write name of two hybrid varieties of wheat.
- Answer any 4: (4×5)
 - Differentiate between pure line & mass selection with diagrams.
 - What is probability? What do you mean by addition & multiplication rule of probability?
 - Explain the role of polyploidy in crop improvement with an example.
 - What is chi-square test? Describe the process.
 - Write a short note on distant hybridization.
- Answer any 4: (4×10)
 - Explain different theories of heterosis & their limitations. (6+4)
 - Describe the steps of plant hybridization in plant breeding program.
 - Write the role of mutation & Biotechnology in crop improvement. (5+5)
 - In a F₂ population of wheat, the breeder observed 603 plants of grey coloured seeds & 217 plants of red coloured seeds. Apply chi square test & find out whether the result is in agreement with Mendel's monohybrid ratio 3:1 at 5% level of probability ($\chi^2 = 3.182$) (10)

Marks slip

Serampore Girls' College
SERAMPORE, HOOGLY
B.A.B.S. - 1919 - V Examination, 2022
Subject - BOTG - SEC A1
Full Marks - 20 Date - 13/12/22

Q. No.	Answer	Mark	Total
Q1	12	10	
Q2	33	10	
Q3	29	10	
Q4	13	10	
Q5	20	10	
Q6	26	10	

Date: 13/12/2022 Signature of the Examiner

e. Solve Q1 & Q2:

Q1. Calculate the arithmetic mean for the daily wages following data. (5)

Wages in Rs.	10-20	20-30	30-40	40-50	50-60	60-70
Number of Workers	5	10	30	20	15	10

Q2. Find the standard deviation of the following data. (6)

Size of Item	10	11	12	13	14	15	16
Frequency	2	7	11	15	10	4	1

Test on- SEC A1 paper 21/12/2022

Question paper

SERAMPORE GIRLS' COLLEGE
Remedial Test
Subject - BOTANY
Sem - V Paper - SEC-A1

Full Marks - 40
Time - 2 hrs
Date - 21/12/22

Answer the following.

1) Find the median of the following:- (5/1)

a) 21, 12, 49, 27, 88, 46, 55, 74, 63.
b) 28, 72, 33, 29, 70, 86, 54, 91, 69, 57.

2) In a study on patients, the following data are obtained. Find the arithmetic mean. (5)

Age	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89
No. of cases	1	0	1	10	17	38	9	3

3) Find the arithmetic mean - (5)

Height	60-62	63-65	66-68	69-71	72-74
No. of student	15	54	126	81	24

4) Number of rice plant in every squaremeter field is -
12, 14, 13, 6, 7, 10, 11, 14, 13, 12, 17, 14, 13, 11, 13, 9, 10, 11, 12, 15,
13, 14, 15, 17, 19, 16, 15, 14, 11, 15
Find standard error and standard deviation.

5) Phenotypic result of dihybrid cross is -
Round seed - 120, wrinkled seed - 56, green seed - 93, yellow
seed - 12. Determine goodness of fit with Chi-Square test.
($P < 0.05 = 7.185$)

Signature sheet

SERAMPORE GIRLS' COLLEGE
DEPARTMENT OF BOTANY

Student attendance sheet

Program: Remedial test SEC-A1 Date: 21/12/22

Sl. No.	Roll Number	Semester	Signature of the student
1.	20694	5th Sem	Shobha Gupta.
2.	20697	5th SEM	Priti Naji
3.	20688	5th sem	Ananya Das
4.	20699	5 th sem	Jayashri Deb Nath.
5.	20696	5th sem	Mahima Chakri
6.	20692	5th sem	Jane Ghosh.

Hudu
21/12/2022
Department of Botany
Serampore Girls' College
Serampore, Hooghly

Marks slip

Serampore Girls' College
SERAMPORE, HOOGHLY

Roll No. SEM. V. Examination No. 11
Subject: Botany - Sec. A1
Full Marks: 40

Date: 21/12/2022

Roll No.	Full Marks	Obtained	Grade
20694	40	35	B
20697	40	30	C
20688	40	35	B
20699	40	30	C
20696	40	35	B
20692	40	30	C

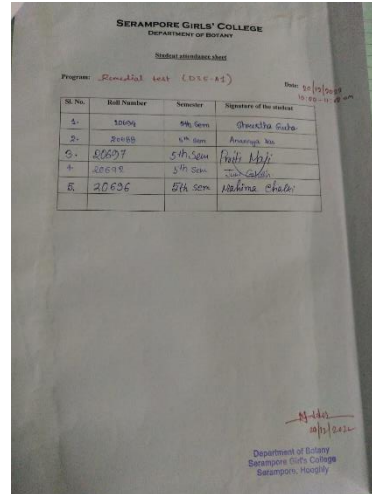
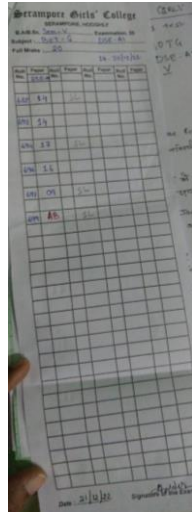
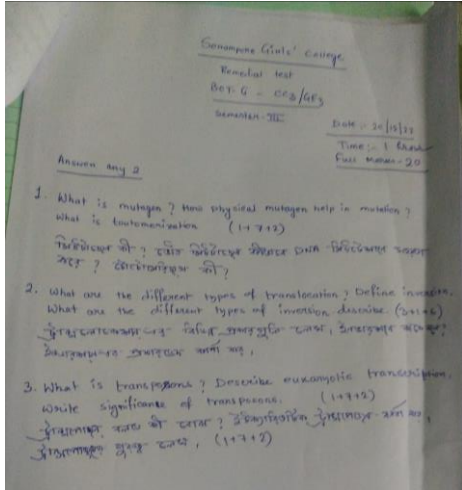
Signature of the Examiner

Test on- DSE- A1 paper 20/12/2022

Question paper

Marks slip

Signature sheet

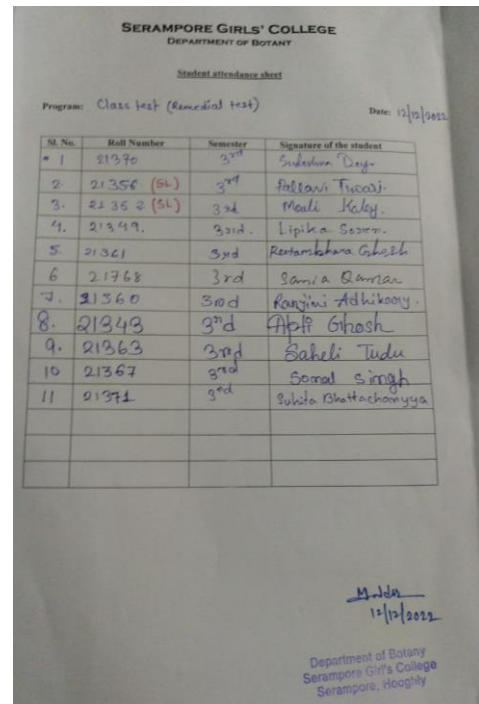
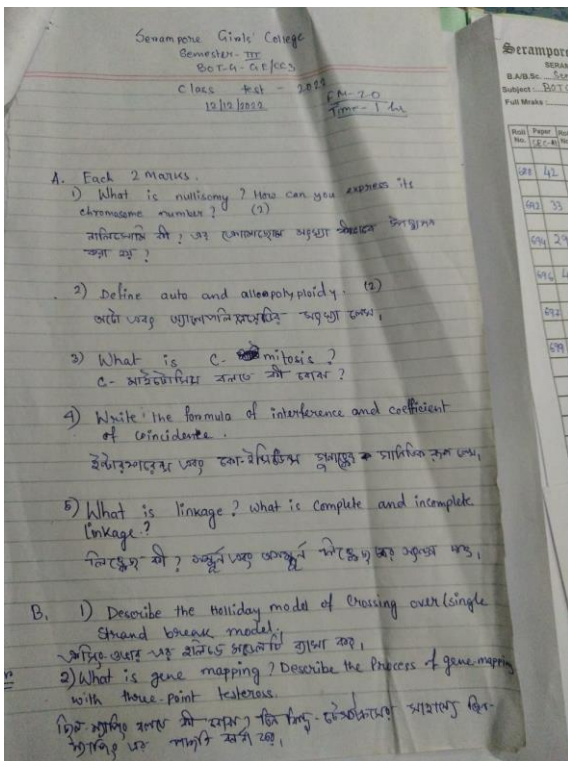


Semester 3. Test on 12/12/2022

Question paper

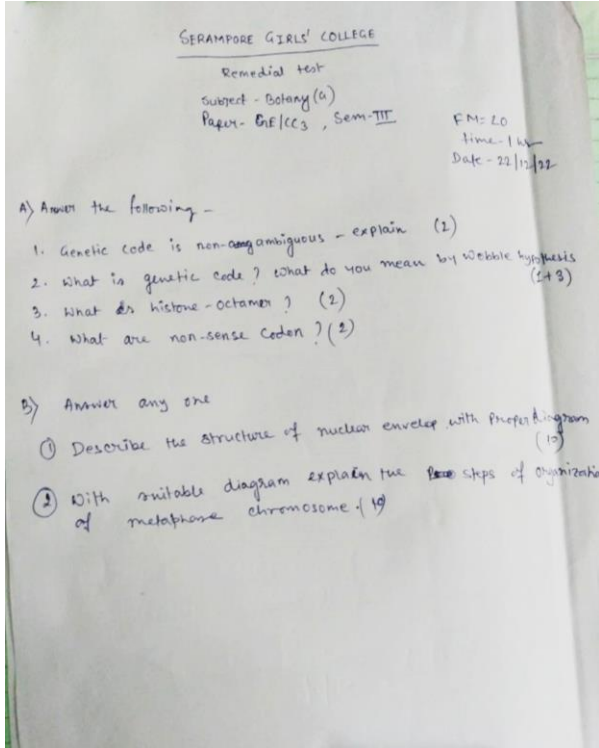
Marks slip

Signature sheet

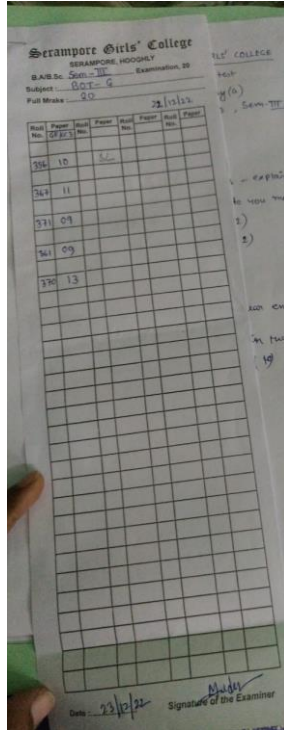


Semester 3. Test on 22/12/2022

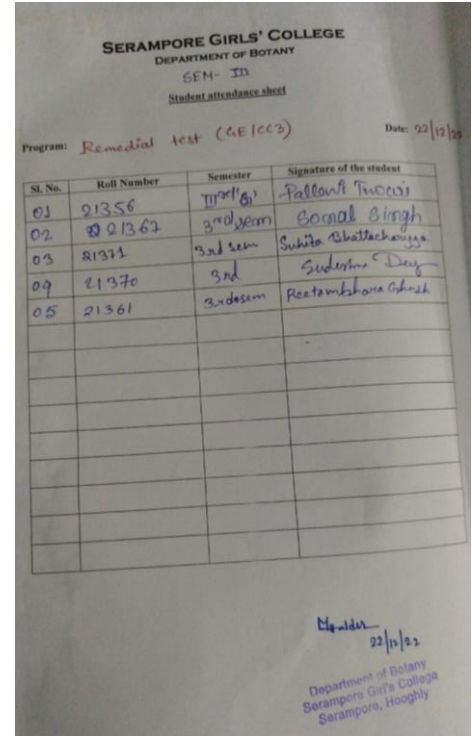
Question paper



Marks slip



Signature sheet



Mentoring Report 2022-2023

Department: Organized jointly by Department of Botany and Zoology

Date of mentoring: 01/04/2023

1. Name of Teacher and number of students, mentored semester wise:

No.	Name of Teachers	No of students, being mentored	Semester
1	Dr. Madhusree Halder	3	6
2	Dr. Madhusree Halder	5	4

2. Some issues raises which require to be solve

No.	Issues	Demands	Mentoring methods
1	More and better Class room	Not enough class room for all the semesters. Proper number of spacious, clean and hygienic classroom.	Meeting with faculties and students
2	Laboratory requirements	Better equipments and more organized laboratories are required.	Meeting with faculties and students
3	Library requirements	Enough number of books are in need to be available.	Meeting with faculties and students

M. Halder
2/4/2023
Department of Botany
Serampore Girl's College
Serampore, Hooghly

Student's name in academic session 2022-23 and half free/ full free in a table:

No.	Name of Students	Full free/ half free	Semester
1	Mahima Chalki	Full free	6
2	June Ghosh	Half free	6
3	Sudeshna Dey	Full free	4
4	Reetambhara Ghosh	Half fee	4

M. Halder
2/4/23
Department of Botany
Serampore Girl's College
Serampore, Hooghly