

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

**Name of Department: Botany**

**Session: 2022-23**

<b>Date of Exam</b>	<b>Semester</b>	<b>Course</b>	<b>Name Teacher clearing doubts</b>
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

## Notice for remedial classes-Sem III

Ph: (033) 2622172 (Office)  
 (033) 2622165 (Private)  
**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 remedial classes/tests**
21- 9/10/2022

All the students of semester III Botany (G), especially the slow learners who scored less than 30% in CIE 1 and 2 are hereby informed that some class test cum discussion session will be organized between 8/12/2022- 23/12/2022 as per the direction of our honourable principal madam. All are instructed present and give the tests. The schedule and syllabus of the tests are given below:

Sl. No.	Paper	Date	Time	Syllabus
1.	GE/CC3	12/12/2022	11:45-12:45am	Unit2 and 3 (Chromosomal aberration, Linkage group and genetic Map)
2.	GE/CC3	20/12/2022	11:45-12:45pm	Unit 1.1 and 4
3.	GE/CC3	22/12/2022	02:00-03:00pm	Unit 2.1, 6 and 7

H. H. H. 8/10/22  
 Department of Botany  
 Serampore Girls' College  
 Serampore, Hooghly

## Notice for remedial classes-Sem V

Ph: (033) 2622172 (Office)  
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**Serampore Girls' College**  
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**Department of Botany**  
**Notice for remedial classes/tests**
24- 8/10/2022

All the students of semester V Botany (G), especially the slow learners who scored less than 30% in CIE 1 and 2 (in any one, either DSE-A1 or SEC-A1 paper) are hereby informed that some class test cum discussion session will be organized between 13/12/2022-23/12/2022 as per the direction of our honourable principal madam. All are instructed present and give the tests. The schedule and syllabus of the tests are given below:

Sl. No.	Paper	Date	Time	Syllabus
1.	SEC-A1	13/12/2022	10:00-01:00pm	1, 2, 3, 4 and 5
2.	DSE-A1	20/12/2022	01:00-2:00pm	2 and 5
3.	SEC-A1	21/12/2022	10:45-12:45pm	Unit 1 and 4

H. H. H. 8/10/22  
 Department of Botany  
 Serampore Girls' College  
 Serampore, Hooghly

## Photos of attendance register Sem-5

Remedial classes

the month of December 2022

SUBJECT - BOTANY

CLASS - SEC - V

Roll No.	ATTENDANCE						
	1	2	3	4	5	6	7
692	P	P	P	P	P	P	P
694	P	P	P	P	P	P	P
697	P	P	P	P	P	P	P
699	P	P	P	P	P	P	P

## Photos of attendance register Sem-3

Remedial classes/101

the month of December 2022

SUBJECT - BOTANY

CLASS - SEC - III

Roll No.	ATTENDANCE						
	1	2	3	4	5	6	7
245	P	P	P	P	P	P	P
247	P	P	P	P	P	P	P
249	P	P	P	P	P	P	P
251	P	P	P	P	P	P	P
253	P	P	P	P	P	P	P
255	P	P	P	P	P	P	P
257	P	P	P	P	P	P	P
259	P	P	P	P	P	P	P
261	P	P	P	P	P	P	P
263	P	P	P	P	P	P	P
265	P	P	P	P	P	P	P
267	P	P	P	P	P	P	P
269	P	P	P	P	P	P	P
271	P	P	P	P	P	P	P
273	P	P	P	P	P	P	P
275	P	P	P	P	P	P	P

# 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 <sup>th</sup>	Ananya Das
2.	20694	5 <sup>th</sup>	Shanika Guha
3.	20699	5 <sup>th</sup>	Jayashree Debbarshi
A.	20699	5 <sup>th</sup>	Priiti Hoji
5.	20696	5 <sup>th</sup>	Makima Chakraborty
6.	20692	5 <sup>th</sup>	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 apomixis and apogamy.
  - 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 F<sub>2</sub> 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. - 3476 - V - Examination, 20  
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: M. K. Das

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:- (5x1)

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 <sup>th</sup> sem	Jayashree Deb Nath.
5.	20696	5th sem	Mahima Chakri
6.	20692	5th sem	Jane Ghosh.

Hddu  
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 Marks
20694	40	35
20697	40	35
20688	40	35
20699	40	35
20696	40	35
20692	40	35

Signature of the Examiner

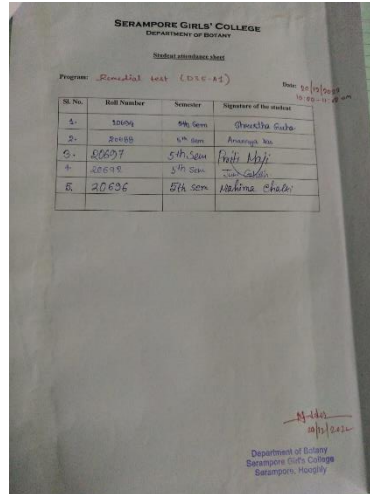
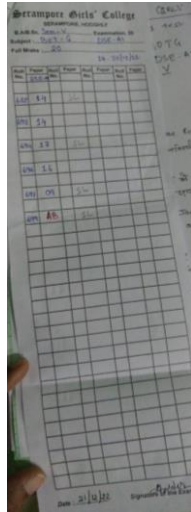
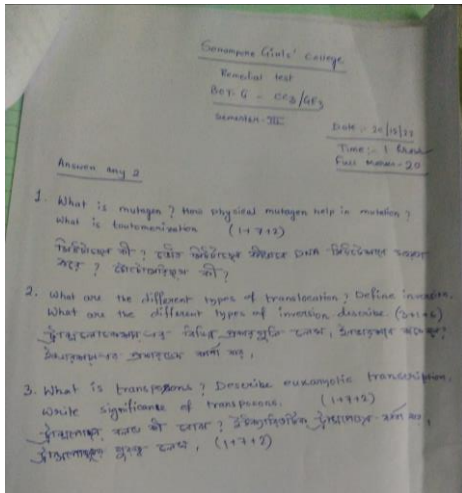


**Test on- DSE- A1 paper 20/12/2022**

**Question paper**

**Marks slip**

**Signature sheet**



**Semester 3. Test on 12/12/2022**

**Question paper**

**Marks slip**

**Signature sheet**

