

Mathematics

Serampore Girls' College

Departmental Report: 2025-26

Number of Regular Students

Year	General Mathematics
SEM 1	0
SEM 2	0
SEM 3	19
SEM 4	19
SEM 5	5
SEM 6	11

Total No. of students-----27

Number of the Teachers

Full Time	1
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Student Teacher Ratio:27:1

Class Routine of the department:

SERAMPORE GIRLS' COLLEGE

Routine –Mathematics (EVEN semester)-2025-26

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						
	IV						
	VI						
Tuesday	II						
	IV		MMTH(CC5) (MN)NB 19	MMTH(CC4) (MN)NB 19			
	VI		MMTH(MN5) (MN)NB19	MMTH(MN4) (MN) NB 19			
Wednesday	II						
	IV			MMTH(CC4) (MN)NB 19			MMTH(MN)NB 19
	VI		MMTH(MN3) (MN)NB 19	MMTH(MN4) (MN) NB19			
Thursday	II						
	IV						
	VI						
Friday	II						
	IV		MMTH(CC5) (MN)NB 19	MMTH(CC5) (MN)NB 19	MMTH(MN2) (MN)NB 19		
	VI		MMTH(MN5) (MN)NB 19	MMTH(MN5) (MN)NB 19			
Saturday	II						
	IV		MMTH(MN2) (MN)NB 19		MMTH(CC4) (MN)NB 19		
	VI			MMTH(MN5) (MN)NB 19	MMTH(MN4) (MN) NB19		

Serampore Girls' College

Routine –Science Mathematics (ODD semester)-2025-26(July-December, 2025)

Day	SE M	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						
	III				MMTH (MN) CC1 NB 19		MMTH (MN) CC3 NB 19
	V		MMTH (MN) PLAB	MMTH (MN) PLAB			
Tuesday	I						
	III	MMTH(MN) CC1 NB19		MMTH (MN) CC3 NB 19			
	V						
Wednesday	I						
	III						
	V			MMTH CC3(MN) NB19	MMTH CC4(MN) NB19		
Thursday	I						
	III						
	V						
Friday	I						
	III		MMTH CC1(MN) NB 19			MMTH CC3(MN) PLAB	MMTH CC3(MN) PLAB
	V			MMTH-CC4(MN) NB 19	MMTH CC3(MN) NB19		
Saturday	I						
	III				MMTH CC1(MN) NB 19		
	V						

A group of students and staff members posing in front of the entrance to the Gandhi Smarak Sangrahalaya. They are holding a large banner for the 'Serpampore Girls' College STUDY TOUR 2026'. The banner lists the organizing departments: Computer Science, Mathematics, Physics, and Electronic Science.



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Ref. No.

Date 23/01/2026

Principal
Serampore Girls' College
Serampore, West Bengal

Mousmita Ghosal 23.1.2026

Faculty of Science
Serampore Girls' College

[illegible]

Moumita Ghosal 30.1.2

Teachers' Signature





Report on

Open House Discussion

Department: **Mathematics**

Date: 06.05.2026

Time: 1:00-2:00p.m

Venue: VB 8

No. of students present: 10

Objective: To create an informal space where students can share ideas, ask questions freely, and give direct feedback about the college.

Outcome: It encourages students to build focus, attention, and interest and facilitates pondering and reflection on content connections.

Continuous Internal Evaluation

09.12.25

Serampore Girls' College
Continuous Internal Evaluation-2025
MMTH-CC3
Mathematics (MDC)-SEM-V

Full Marks: 20 Time: 1 hour

4×5

5. Show that if $t \frac{d^2\theta}{dt^2} + g\theta = 0$, and if $\theta = a \cos \left(t \sqrt{\frac{g}{l}} \right)$, when $t = 0$ then $\theta = a \cos \left(t \sqrt{\frac{g}{l}} \right)$.

6. Solve: $\frac{d^2y}{dx^2} - 3 \frac{dy}{dx} + 2y = e^{3x}$

7. Solve: $\frac{d^2y}{dx^2} - y = \sin x$

8. Solve by method of variation of parameter $\frac{d^2y}{dx^2} + a^2y = \sec(ax)$

10.12.25

Serampore Girls' College
Continuous Internal Evaluation-2025
MMTH-CC4
Mathematics (MDC)-SEM-V

Full Marks: 20 Time: 1 hour

2×10

3. A particle of mass m moves in a straight line under an attractive force mn^2x towards a fixed point on the line when at a distance x from it. If it be projected with a velocity V towards the center of force from the initial distance a from it, prove that it reaches the center of force after a time $\frac{1}{n} \tan^{-1} \left(\frac{na}{V} \right)$.

4. A particle moves in a straight line with an acceleration always directed towards a fixed point on it and proportional to its distance from it in a medium which offers a small resistance proportional to its velocity ($k\dot{x}$). Investigate the motion.

Sem V
Serampore Girls' College
SERAMPORE, HOOGHLY
B.A/B.Sc. CIE Examination, 20 25
Subject: MMTH
Full Marks: 20

Roll No.	Paper	Roll No.	Paper	Roll No.	Paper	Roll No.	Paper
23 425	15						
23 481	07						
23 626	15						
23 628	15						
23 903	15						

Date: 13/12/25
Signature of the Examiner

Sem V
Serampore Girls' College
SERAMPORE, HOOGHLY
B.A/B.Sc. CIE Examination, 20 25
Subject: MMTH
Full Marks: 20

Roll No.	Paper	Roll No.	Paper	Roll No.	Paper	Roll No.	Paper
23 425	10						
23 481	10						
23 626	07						
23 628	10						
23 903	10						

Date: 13/12/25
Signature of the Examiner

Teacher's Day Celebration



Report on

Teacher's Day Celebration

Department: **Mathematics**

Date: 23.12.2025 **Time:** 11:00-3:00p.m **Venue:** NB 21

No. of students present: 40

Objective: Celebrate the role played by teachers in community upliftment.

Outcome: a stronger bond between students and teachers, higher morale for educators, and a deep sense of gratitude.

Participation in Cultural Competition



Participation in College cultural competition

Teacher Profile: for the academic session:

Name of the Teacher	RC/OP	Publication
Dr. Mayurakshi Nag	0	0

Strength of the department

- Special Attention to all students.
- Teachers are always very responsive.
- Student teacher ratio is very good.

Weakness of the department

- Number of students in the department.
- Merits of the most of the students are not up to the mark