

GOUR MAHAVIDYALAYA

DEPARTMENT OF MATHEMATICS

ACCREDITED BY NAAC (3rd cycle) B⁺⁺

Dr. Rakesh Sarkar, Ph.D.

Head

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Memo No: GM/MATH/0004/25

Date: 12.02.2025

NOTICE-4

Subject: Submission of Mathematics (MDC) Assignment – Semester I

All students who have opted for **Mathematics as MDC in Semester I** are hereby informed that they must submit their assignment by **27th February 2025**.

Submission Guidelines:

✦ **Cover Page:** Must include:

- Student's Name
- Roll Number
- Course Name (Mathematics MDC – Semester I)
- College Name
- Assignment Title

✦ **Required Pages:**

- Title Page
- Content Page
- Acknowledgment Page
- Main Content (at least 12 pages)
- Reference Page

Late submissions will **not** be accepted. Ensure that your assignment is well-organized, properly formatted, and complete before submission.

For any queries, contact Department of Mathematics.

The assignment topics are attached. Each student must complete the assignment on their assigned topic.

(Dr. Rakesh Sarkar)

HoD

Department of Mathematics,
Gour Mahavidyalaya,
Mangalbari, Malda.

Head of the Deptt.
Deptt. of Mathematics
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Topic Distribution

Sl. No	Name	Assigned Topic
1	Amit Mandal	Introduction to sets and their representations, permutation and combination
2	Abhijit Sarkar	The empty set, finite and infinite sets, equal sets, subsets, power set, and Universal set
3	Md. Enjamul Sk	Union, intersection, difference, complement of sets, Venn-diagram
4	Tamana Khatun	De-Morgan's laws, Symmetric difference, Cartesian product of sets.
5	Kanak Das	Simple problems based on set theory, logarithmic and exponential functions,
6	Rocky Singha	Venn-diagram and their applications, Symmetric and Skew Symmetric Matrices
7	Nabajit Mandal	Complex number, Polar representation of complex numbers
8	Himanshu Mandal	De Moivre's theorem (without proof) for rational indices and their applications
9	Suraj Choudhary	Definition of a Matrix, Types of Matrices, Cramer's Rule for solving systems of linear equations
10	Bablu Sk	Elementary operations on Matrices, De-Morgan's laws, subsets, power set, and Universal set
11	Puja Das Mandal	Properties of determinants, Cofactors, and minor of a determinant, Transpose and Adjoint of a matrix
12	Shibam Saha	Functions, domain and co-domain, Symmetric and Skew Symmetric Matrices
13	Sima Khatun	Inverse of a matrix, periodic functions, trigonometric functions,
14	Nurjahan Khatun	Solution of system of linear equations (up to third order) using matrix inversion method
15	Shipra Pramanik	Determinant of a square matrix (up to third order), Cramer's Rule for solving systems of linear equations
16	Hadida Yesmin	Determinant of a square matrix (up to third order), Cramer's Rule for solving systems of linear equations
17	Sima Khatun	Properties of determinants, Cofactors, and minor of a determinant, Transpose and Adjoint of a matrix
18	Sania Parvin	Relations, equivalence relations, congruence relations
19	Saba Fatema	Functions, domain and co-domain, one-to-one and onto functions, bijective functions, inverse function.
20	Ankur Thakur	Determinant of a square matrix (up to third order), Transpose and Adjoint of a matrix, Symmetric and Skew Symmetric Matrices

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Sl. No	Name	Assigned Topic
21	Alapan Battcharee	Introduction to sets and their representations, permutation and combination
22	Mrinmay Sarkar	The empty set, finite and infinite sets, equal sets, subsets, power set, and Universal set
23	Ayush Seth	Union, intersection, difference, complement of sets, Venn-diagram
24	Saddam Hossain	De-Morgan's laws, Symmetric difference, Cartesian product of sets.
25	Maskura Khatun	Simple problems based on set theory, logarithmic and exponential functions,
26	Mousumi Mandal	Venn-diagram and their applications, Symmetric and Skew Symmetric Matrices
27	Saheli Bhakta	Complex number, Polar representation of complex numbers
28	Dipshikha Karmakar	De Moivre's theorem (without proof) for rational indices and their applications
29	Selina Parvin	Definition of a Matrix, Types of Matrices, Cramer's Rule for solving systems of linear equations
30	Afsana Khatun.	Elementary operations on Matrices, De-Morgan's laws, subsets, power set, and Universal set
31	Afifa Alam	Properties of determinants, Cofactors, and minor of a determinant, Transpose and Adjoint of a matrix
32	Barsha Debnath	Functions, domain and co-domain, Symmetric and Skew Symmetric Matrices
33	Prarthana Sarkar	Inverse of a matrix, periodic functions, trigonometric functions,
34	Masuma Khatun	Solution of system of linear equations (up to third order) using matrix inversion method
35	Hasibur Rahaman	Determinant of a square matrix (up to third order),Cramer's Rule for solving systems of linear equations
36	Kishore Sarkar	Determinant of a square matrix (up to third order),Cramer's Rule for solving systems of linear equations
37	Israfil Hoque	Properties of determinants, Cofactors, and minor of a determinant, Transpose and Adjoint of a matrix
38	Pratyusha Saha	Relations, equivalence relations, congruence relations
39	Tasnim Afroj	Functions, domain and co-domain, one-to-one and onto functions, bijective functions, inverse function.
40	Shreya Sarkar	Determinant of a square matrix (up to third order), Transpose and Adjoint of a matrix, Symmetric and Skew Symmetric Matrices
41	Susma Parvin	Properties of determinants, Cofactors, and minor of a determinant, Elementary operations on Matrices
42	Oliur Rahaman	Simple problems based on set theory, Application of De-Morgan's laws, Symmetric difference

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