Proceedings of The Board of Studies meeting of Post Graduate Department of Mathematics held at, The National College, Jayanagar, Bangalore-560070 on 16th December 2022.

The following members attended the meeting:

1	Dr. K. R. Madhura	Madhura K-R 16/12/22
2	Prof. I. S. Shivakumara	I. S. Shivakumara 16/12/2022
3	Dr. B. Chaluvaraju	B. Ch 16/12/2022
4	Dr. Ramesh B. Kudenatti	
5	Dr. Medha Itagi Huilgol	16/12/22.
6	Dr. Vasant Kumar Jain	
7	Mrs. Kavya G. M.	
8	Dr. Sandhya L.	
9	Mrs. Varsha B. J.	

Proceedings of the meeting

1. The Chairman of the Postgraduate department of Mathematics welcomed the members of Board of Studies to the meeting.
2. Chairman briefed about the agenda of the meeting and read out the syllabus.
3. The modifications made with regard to the syllabus and suggestions given were incorporated.
4. The chairman thanked all the members and the meeting was concluded.

Coordinator
P. G. Department of Mathematics
The National College,
Jayanagar, Bangalore - 5600070

Head
PG Dept of Mathematics
The National College
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Jayanagar, Bangalore-560 070

Place: Bangalore
Date: 16 December, 2022

SEMESTER WISE COURSES AND CREDIT DISTRIBUTION

Structure of M. Sc.- Mathematics Syllabus								
Subjects	**Papers**		**Instruction Hrs/Week**	**Duration of Exam (Hrs)**	**Marks**			**Credits**
					IA	**Exam**	**Total**	
I Semester								
Core Subjects	**Theory**	**M101T :** Algebra-I	4	3	30	70	100	4
		M102T : Real Analysis	4	3	30	70	100	4
		M103T : Topology-I	4	3	30	70	100	4
		M104T : Ordinary Differential Equations	4	3	30	70	100	4
		M105T : Discrete Mathematics	4	3	30	70	100	4
	Practical	**M106P :**Maxima Practical for Discrete Mathematics	2	3	15	35	50	2
Soft Core	**Theory**	**M107SC :** An Introductory Course on Cryptography	3	3	30	70	100	2
Total Credits per semester								**24**
II Semester								
Core Subjects	**Theory**	**M201T :** Algebra - II	4	3	30	70	100	4
		M202T : Complex Analysis	4	3	30	70	100	4
		M203T : Topology-II	4	3	30	70	100	4
		M204T : Partial Differential Equations	4	3	30	70	100	4
		M205T : Numerical Analysis-I	4	3	30	70	100	4
	Practical	**M206P :** Scilab/Matlab Practical for Numerical Analysis-I	2	3	15	35	50	2
Soft Core	**Theory**	**M207SC :** Continuum Mechanics	3	3	30	70	100	2
Total Credits per semester								**24**

III Semester								
Core Subjects	**Theory**	**M301T :** Linear Algebra	4	3	30	70	100	4
		M302T : Functional Analysis	4	3	30	70	100	4
		M303T : Differential Geometry	4	3	30	70	100	4
		M304T : Fluid Mechanics	4	3	30	70	100	4
		M305T : Numerical Analysis-II	4	3	30	70	100	4
	Practical	**M306P**: Scilab/Matlab Practical for Numerical Analysis-II	2	3	15	35	50	2
Open Elective	**Theory**	**M307OE:** Operation Research	2	3	30	70	100	2
Total Credits per semester								**24**
IV Semester								
Core Subjects and Electives	**Theory**	**M401T :** Measure and Integration	4	3	30	70	100	4
		M402T: Mathematical Methods	4	3	30	70	100	4
		M403T(A) : Graph Theory	3x4	3x3	3x30	3x70	3x100	3x4
		M403T(B) : Magnetohydrodynamics						
		M403T(C): Finite Element Methods with Applications						
		M403T(D): ComputationalFluid Dynamics(CFD)						
		M403T(E): Mathematical Modeling and Simulation						
	Project Work		8	Report Evaluation	30*	70	100	4
Total Credits Per Semester								**24**
Program Grand Total Of Credits								**96**

*Project presentation and viva.