

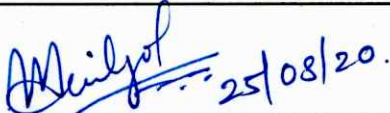
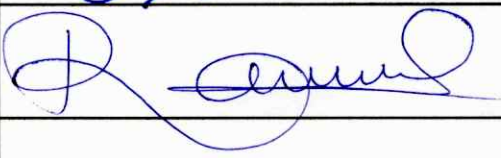


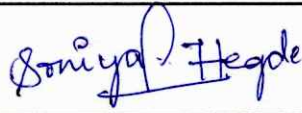



Proceedings of The Board of Studies meeting of Post Graduate  
Department of Mathematics held at, The National College, Jayanagar,  
Bangalore-560070 on 25<sup>th</sup> August 2020.

The following members attended the meeting:

1	Dr. K. R. Madhura	
2	Prof. I. S. Shivakumara	
3	Dr. H. G. Nagaraja	 25/08/20
4	Dr. Medha Itagi Hulgol	 25/08/20.
5	Dr. Ramesh B. Kudenatti	
6	Dr. Vasant Kumar Jain	
7	Ms. Kavya G. M.	
8	Dr. G Kalpana	
9	Ms. Akhila P. A.	
10	Ms. Soniya Hegde	
11	Mr. Vadiraj G	

## 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. A discussion was held on the suitability of adopting the syllabus with minor modifications.
4. Number of teaching hours in papers such as
  - M101T: Algebra I
  - M105T: Discrete Mathematics
  - M201T: Algebra II
  - M202T: Complex Analysis
  - M203T: Topology II
  - M204T: Partial Differential Equations
  - M302T: Functional Analysis
  - M401T: Measure and Integration
  - M403T(A): Graph TheoryWere merged and reallocated.
5. The modifications made with regard to the syllabus and suggestions given were incorporated.
6. The chairman thanked all the members and the meeting was concluded.

Place: Bangalore

Date: 25 August, 2020



Coordinator

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

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

## Structure of M.Sc- Mathematics Syllabus

Subjects	Papers	Instruction Hrs/Week	Duration of Exam (Hrs)	Marks			Credits	
				IA	Exam	Total		
<b>I Semester</b>								
<b>Core Subjects</b>	<b>Theory</b>	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
	<b>Practicals</b>	M106P :Maxima Practicals for Discrete Mathematics	3	3	15	35	50	2
<b>Soft Core</b>	<b>Theory</b>	M107SC : An Introductory Course on Cryptography	3	3	30	70	100	2
<b>Total Credits per semester</b>								<b>24</b>
<b>II Semester</b>								
<b>Core Subjects</b>	<b>Theory</b>	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	3	3	30	70	100	4
	<b>Practicals</b>	M206P : Scilab Practicals for Numerical Analysis-I	3	3	15	35	50	2
<b>Soft Core</b>	<b>Theory</b>	M207SC : Continuum Mechanics	3	3	30	70	100	2
<b>Total Credits per semester</b>								<b>24</b>

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
	M306P: Scilab Practicals for Numerical Analysis-II	4	3	15	35	50	2	
Open Elective		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): Computational Fluid Dynamics(CFD)						
	M403T(E): Mathematical Modeling and Simulation							
Project Work			8	Report Evaluation			100	4
Total Credits Per Semester								24
Program Grand Total Of Credits								96