

M.Sc. MATHEMATICS (2008 - 2009)

S. No.	Semester	Category	Paper Code	Title of the Paper	Maximum Marks			Minimum Marks for Pass			Hours/Week	Credits
					CIA	EE	Total	CIA	EE	Total		
1	I	Core	8P1MAC1	Algebra	25	75	100	10	30	50	8	6
2		Core	8P1MAC2	Real Analysis	25	75	100	10	30	50	8	5
3		Core	8P1MAC3	Ordinary Differential Equations	25	75	100	10	30	50	8	5
4		Elective	8P1MAE1A 8P1MAE1B	Classical Dynamics (or) Fluid Dynamics	25	75	100	10	30	50	6	5
5	II	Core	8P2MAC4	Complex Analysis	25	75	100	10	30	50	6	5
6		Core	8P2MAC5	Partial Differential Equations	25	75	100	10	30	50	6	4
7		Core	8P2MAC6	Measure and Integration	25	75	100	10	30	50	6	4
8		Core	8P2MAC7	Mathematical methods	25	75	100	10	30	50	6	4
9		Elective	8P2MAE2A 8P2MAE2B	Mathematical Probability (or) Mathematical Modelling	25	75	100	10	30	50	6	5
10	III	Core	8P3MAC8	General Topology	25	75	100	10	30	50	7	5
11		Core	8P3MAC9	Differential Geometry	25	75	100	10	30	50	6	5
12		Core	8P3MAC10	Programming in C++	25	75	100	10	30	50	5	3
13		Core-Practical	8P3MAPL	Programming in C++ Practical	40	60	100	16	24	50	2	2
14		Core	8P3MAC11	Stochastic Processes	25	75	100	10	30	50	6	5
15		EDC	8P3_ _ EDC	Extra disciplinary course	25	75	100	10	30	50	4	4
16	IV	Core	8P4MAC12	Functional Analysis	25	75	100	10	30	50	8	6
17		Core	8P4MAC13	Cryptography	25	75	100	10	30	50	8	6
18		Core	8P4MAC14	Geometric Function Theory	25	75	100	10	30	50	8	6
19		Elective	8P4MAE3A 8P4MAE3B	Combinatorial Mathematics (or) Design and Analysis of Algorithms	25	75	100	10	30	50	6	5

EDC- Title (offered by Dept of Maths)

"Applicable Mathematical Techniques"

Project work- Non- Mandatory Course- Extra Credit Allotted-5

90

<i>Name of Course</i>	<i>Total No. of Papers</i>	<i>Total marks</i>	<i>Total credits</i>	<i>Classification</i>
Core	15	1500	70	✓
Elective	03	300	16 ✓	✓
EDC	01	100	04 ✓	✓
Total	19	1900	90	-

Project work – Extra Credit course - 5 credits

M.Sc. MATHEMATICS (2017 - 2018)

S. No.	Semester	Category	Paper Code	Title of the Paper	Maximum Marks			Minimum Marks for Pass			Hours/ Week	Credits
					CIA	EE	Total	CIA	EE	Total		
1	I	Core	17P1MAC1	Linear Algebra	25	75	100	10	30	50	6	5
2		Core	17P1MAC2	Real Analysis – I	25	75	100	10	30	50	6	5
3		Core	17P1MAC3	Ordinary Differential Equations	25	75	100	10	30	50	6	5
4		Core	17P1MAC4	Stochastic Processes	25	75	100	10	30	50	6	4
5		Major Elective-I	17P1MAEL1A 17P1MAEL1B	Classical Dynamics (or) Fluid Dynamics	25	75	100	10	30	50	6	4
6	II	Core	17P2MAC5	Algebra	25	75	100	10	30	50	5	5
7		Core	17P2MAC6	Complex Analysis	25	75	100	10	30	50	5	4
8		Core	17P2MAC7	Partial Differential Equations	25	75	100	10	30	50	5	4
9		Core	17P2MAC8	Mathematical methods	25	75	100	10	30	50	5	4
10		Core	17P3MAC9	Optimization Techniques	25	75	100	10	30	50	5	5
11		Major Elective-II	17P2MAEL2A 17P2MAEL2B	Mathematical Probability (or) Mathematical Modeling	25	75	100	10	30	50	5	4
12	III	Core	17P3MAC10	General Topology	25	75	100	10	30	50	5	4
13		Core	17P3MAC11	Differential Geometry	25	75	100	10	30	50	5	3
14		Core	17P3MAC12	Real Analysis – II	25	75	100	10	30	50	5	4
15		Core	17P3MAC13	Programming in C++	25	75	100	10	30	50	5	3
16		Core-Practical	17P3MACPL	Programming in C++ Practical	40	60	100	10	30	50	5	2
17		EDC	17P3MAEDC	Extra disciplinary course - Applicable Mathematical Techniques	25	75	100	16	24	50	4	-
		Communicative Skill & Personality Development			-	-	-	-	-	-	1	-
18	IV	Core	17P4MAC14	Functional Analysis	25	75	100	10	30	50	6	5
19		Core	17P4MAC15	Graph Theory and its application	25	75	100	10	30	50	6	5
20		Core	17P4MAC16	Cryptography	25	75	100	10	30	50	6	5
21		Major Elective-III	17P4MAEL3A 17P4MAEL3B	Advanced Numerical Analysis (or) Design and Analysis of Algorithms	25	75	100	10	30	50	6	4
22		CN	17P4MACN	Comprehension	-	100	100	-	50	50	5	2
23		Project	17P4MAPR	Project	40	60	100	16	24	50	-	4
		Communicative Skill & Personality Development			-	-	-	-	-	-	1	-
		Total					2300				120	90

M.Sc. MATHEMATICS (2017 – 2018)

Paper Code	Total No. Of Papers	Total Marks	Total Credits	Classification
Core	17	1700	72	✓
Elective	3	300	12	✓
E.D.C	1	100	---	✓
Project	1	100	4	x
Comprehension	1	100	2	✓
Soft skill using Language lab	--	--	---	X
Total	23	2300	90	