

STUDY & EVALUATION SCHEME
M.SC. MATHEMATICS
I YEAR: I SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MMA1001	Algebra-I	3	2	-	40	60	100	5
2	MMA1002	Real Analysis	3	2	-	40	60	100	5
3	MMA1003	Differential Geometry of Manifolds	3	2	-	40	60	100	5
4	MMA1004	Differential Equations	3	2	-	40	60	100	5
5	MMA1005	Mechanics	3	2	-	40	60	100	5
PRACTICAL/ TRAINING/PROJECT									
6	MMA1501	Mathematical Lab	-	-	2	80	20	100	1
7	MMA1502	Seminar	-	-	2	100	-	100	1
TOTAL			15	10	4	380	320	700	27

- L - Lecture
T - Tutorial
P - Practical
CIE - Continuous Internal Evaluation
ESE - End Semester Exam
C - Credit

STUDY & EVALUATION SCHEME
M.SC. MATHEMATICS
I YEAR: II SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MMA2001	Algebra-II	3	2	-	40	60	100	5
2	MMA2002	Complex Analysis	3	2	-	40	60	100	5
3	MMA2003	Topology	3	2	-	40	60	100	5
4	MMA2004	Calculus of Variations and Integral Equations	3	2	-	40	60	100	5
5	MMA2005	Numerical Methods	3	2	-	40	60	100	5
PRACTICAL/ TRAINING/PROJECT									
6	MMA2501	MATLAB	-	-	2	80	20	100	1
7	MMA2502	Seminar	-	-	2	100	-	100	1
TOTAL			15	10	4	380	320	700	27

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STUDY & EVALUATION SCHEME
M.SC. MATHEMATICS
II YEAR: III SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MMA3001	Measure and Integration Theory	3	2	-	40	60	100	5
2	MMA3002	Probability and Statistics	3	2	-	40	60	100	5
3	MMA3003	Fluid Dynamics	3	2	-	40	60	100	5
4		Elective-I	3	1	-	40	60	100	4
5		Elective-II	3	1	-	40	60	100	4
PRACTICAL/ TRAINING/PROJECT									
6	MMA3501	LATEX	-	-	2	80	20	100	1
7	MMA3502	Seminar	-	-	2	100	-	100	1
TOTAL			15	8	4	380	320	700	25

University Mandatory Non-Credit Course									
1	XHUX601	Human Values and Ethics	2	-	-	100	-	100	0

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STUDY & EVALUATION SCHEME
M.SC. MATHEMATICS
II YEAR: IV SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MMA4001	Functional Analysis	3	2	-	40	60	100	5
2	MMA4002	Operations Research	3	1	-	40	60	100	4
3		Elective-III	3	1	-	40	60	100	4
PRACTICAL/ TRAINING/PROJECT									
4	MMA4501	Project	-	-	2	80	20	100	4
5	MMA4502	Comprehensive Viva-Voce	-	-	-	100	-	100	2
TOTAL			9	4	2	300	200	500	19

L - Lecture
T - Tutorial
P - Practical
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ESE - End Semester Exam
C - Credit

LIST OF ELECTIVE

S. NO.	SUBJECT CODE	SUBJECT	SEMESTER
ELECTIVE - I			
1	MMA3101	Discrete Mathematical Structure	III Semester
2	MMA3102	Mathematical Biology	
3	MMA3103	Stochastic Processes	
ELECTIVE - II			
1	MMA3201	Number Theory and Cryptography	III Semester
2	MMA3202	Dynamical Systems	
3	MMA3203	Fuzzy Sets and Applications	
ELECTIVE - III			
1	MMA4101	Mathematical Modeling	IV Semester
2	MMA4102	Mathematics of Finance and Insurance	
3	MMA4103	Optimization Techniques	
4	MMA4104	Fractional Calculus and Nonlinear Dynamics	