

M.Sc., MATHEMATICS – PROGRAMME STRUCTURE

Sem.	Course Code	Name of the Course	Cr.	Hrs./ Week	Max. Marks		
					Int.	Ext.	Total
I	7MMA1C1	Core-I – Algebra – I	5	6	25	75	100
	7MMA1C2	Core-II – Analysis – I	5	6	25	75	100
	7MMA1C3	Core – III –Differential Geometry	5	6	25	75	100
	7MMA1C4	Core –IV –Ordinary Differential Equations	5	6	25	75	100
		Elective-I: (Choose One out of Three)					
	7MMA1E1	A)Number Theory (or)	4	6	25	75	100
	7MMA1E2	B)Calculus of Variations and Special Functions (or)					
	7MMA1E3	C) Data Structures and Algorithms Theory and Practical					
	Total		24	30	--	--	500
II	7MMA2C1	Core –V –Algebra – II	5	6	25	75	100
	7MMA2C2	Core –VI –Analysis – II	5	6	25	75	100
	7MMA2C3	Core–VII –Partial Differential Equations	5	6	25	75	100
	7MMA2C4	Core –VIII –Mechanics	5	6	25	75	100
		Elective-II:(Choose One out of Three)					
	7MMA2E1	A)Graph Theory	4	6	25	75	100
	7MMA2E2	B)Applied Algebra					
	7MMA2E3	C)Difference Equations					
	Total		24	30	--	--	500
III	7MMA3C1	Core-IX –Complex Analysis	5	6	25	75	100
	7MMA3C2	Core-X –Topology – I	5	6	25	75	100
	7MMA3C3	Core-XI –Probability and Statistics	5	6	25	75	100

	7MMA3E1	Elective–III:(Choose One out of Three) A)Discrete Mathematics (or)	4	6	25	75	100
	7MMA3E2	B)Fluid Dynamics (or)					
	7MMA3E3	C)Automata Theory					
	7MMA3E4	Elective–IV:(Choose One out of Three) A)Fuzzy Mathematics (or)	4	6	25	75	100
	7MMA3E5	B)Stochastic Processes (or)					
	7MMA3E6	C)Combinatorial Mathematics					
	Total		23	30	--	--	500
IV	7MMA4C1	Core – XII –Functional Analysis	5	8	25	75	100
	7MMA4C2	Core – XIII –Operations Research	5	8	25	75	100
	7MMA4C3	Core – XIV –Topology II	5	7	25	75	100
	7MMA4E1	Elective–V:(Choose One out of Three) A)Advanced Statistics	4	7	25	75	100
	7MMA4E2	B)Stochastic Differential Equations					
	7MMA4E3	C)Numerical Methods					
	Total		19	30	--	--	400
	Grand Total		90	120	--	--	1900