



A.D.M. COLLEGE FOR WOMEN

(Autonomous)

Affiliated to Bharathidasan University

(Nationally Accredited with "A" Grade by NAAC – 3rd Cycle)

NAGAPATTINAM 611 001.

PG AND RESEARCH DEPARTMENT OF MATHEMATICS

M.Sc. Mathematics 2020- 2021

SCHEME OF THE PROGRAMME

Sem.	Course Code	Course	Ins. Hrs	Credit	Exam Hours	Marks		Total Marks
						CIA	SE	
I	Core Course – I	Algebra	6	5	3	25	75	100
	Core Course – II	Real Analysis	6	5	3	25	75	100
	Core Course – III	Ordinary Differential Equations	6	5	3	25	75	100
	Core Course – IV	Advanced Graph Theory	6	5	3	25	75	100
	Elective Course – I	Advanced Numerical Analysis/ Financial Mathematics	6	3	3	25	75	100
		TOTAL		30	23	15	125	375
II	Core Course – V	Complex Analysis	6	5	3	25	75	100
	Core Course – VI	Linear Algebra	6	5	3	25	75	100
	Core Course – VII	Partial Differential Equations	6	5	3	25	75	100
	Core Course – VIII	Classical Dynamics	6	5	3	25	75	100
	Elective Course – II	Fuzzy sets and its Applications / Non Linear Differential Equations	6	3	3	25	75	100
		TOTAL		30	23	15	125	375
III	Core Course – IX	Measure Theory	6	5	3	25	75	100
	Core Course – X	Topology	6	5	3	25	75	100
	Core Course – XI	Integral Equations and Transforms	6	5	3	25	75	100
	Elective Course – III	Mathematical Modelling / Combinatorics	6	3	3	25	75	100
	Elective Course – IV	Optimization Technique / Discrete Mathematics	6	3	3	25	75	100
		TOTAL		30	21	15	125	375
IV	Core Course – XII	Functional Analysis	6	5	3	25	75	100
	Core Course – XIII	Probability Theory	6	5	3	25	75	100
	Core Course – XIV	Fluid Dynamics	6	5	3	25	75	100
	Elective Course – V	Differential Geometry and Tensors/ Stochastic Processes	6	3	3	25	75	100
	Project		6	5	3	20	80	100
		TOTAL		30	23	15	120	380
	GRAND TOTAL		120	90	60	495	1505	2000

