



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

B.Sc. Mathematics 2020- 2021

SCHEME OF THE PROGRAMME

Sem.	Part	Course	Ins. Hrs	Credit	Exam Hours	Marks		Total Marks
						CIA	SE	
I	I	LC - Language Course –I –Tamil I	6	3	3	25	75	100
	II	ELC – English Language Course – English I	6	3	3	25	75	100
	III	CC- Core Course I –Differential Calculus and Trigonometry	5	5	3	25	75	100
		CC- Core Course II – Classical Algebra	4	4	3	25	75	100
		AC –Allied Course I – Physics I	4	4	3	25	75	100
		AC –Allied Course II – Physics II (Practical)	3	-	-			
	IV	Value Education	2	2	3	25	75	100
	Total		30	21			600	
II	I	LC- Language Course –Tamil II	6	3	3	25	75	100
	II	ELC – English Language Course – English II	6	3	3	25	75	100
	III	CC - Core Course III -Integral Calculus	5	4	3	25	75	100
		CC- Core Course IV -Analytical Geometry of Three Dimensions	4	4	3	25	75	100
		AC -Allied Course II - Physics II (Practical)	3	3	3	40	60	100
		AC -Allied Course III - Physics III	4	2	3	25	75	100
	IV	ES – Environmental Studies	2	2	3	25	75	100
	Total		30	21			700	
I	I	LC- Language Course –Tamil III	6	3	3	25	75	100
	II	ELC – English Language Course –	6	3	3	25	75	100

III		English III						
	III	CC - Core Course V-Differential Equations and Laplace Transforms	4	4	3	25	75	100
		CC - Core Course VI- Vector Calculus and Fouries Series	5	5	3	25	75	100
		AC - Allied Course IV- Mathematical Statistics I	4	4	3	-	-	-
		AC -Allied Course V- Statistics Practical	3	-	-	25	75	100
	IV	NME -Non Major Elective I – Mathematics for Competitive Examinations I	2	2	3	25	75	100
		Total	30	21				600
IV	I	LC- Language Course –Tamil IV	6	3	3	25	75	100
	II	ELC – English Language Course – English IV	6	3	3	25	75	100
	III	CC - Core Course VII –Sequences and Series	4	4	3	25	75	100
		CC - Core Course VIII-Number Theory	4	4	3	25	75	100
		AC - Allied Course V- Statistics Practical	3	3	3	40	60	100
		AC - Allied Course VI- Mathematical Statistics II	3	2	3	25	75	100
	IV	NME - Non Major Elective II – Mathematics for Competitive Examinations II	2	2	3	25	75	100
	V	SBE – Skill- Based Elective I- Statistical Programming using Computational Packages	2	2	3	25	75	100
		Total	30	23				800
V	III	CC - Core Course IX - Algebra	6	6	3	25	75	100
		CC- Core Course X –Real Analysis	6	5	3	25	75	100
		CC - Core Course XI - Mechanics	6	5	3	25	75	100
		MBE –Major Based Elective I – Operations Research	6	5	3	25	75	100
	IV	SBE –Skill Based Elective II- Quantitative Aptitude	2	2	3	25	75	100
		SBE – Skill Based Elective III- Introduction to Fuzzy Mathematics	2	2	3	25	75	100
		Soft Skills Development	2	2	3	25	75	100
			Total	30	27			

VI	III	CC- Core Course – X II - Complex Analysis	6	6	3	25	75	100
		CC- Core Course – XIII– Numerical Methods with C Programming(Theory)	5	4	3	25	75	100
		CC - Core Practical – XIII(P)– Numerical Methods with C Programming(Practical)	2	2	3	25	75	100
		CC – Core Course IV - Astronomy	6	5	3	25	75	100
		MBE – Major Based Elective II- Stochastic Processes	5	4	3	25	75	100
		MBE – Major Based Elective III- Graph Theory	5	4	3	25	75	100
	V	EA - Extension Activities-	-	1	-			
		GS - Gender Studies	1	1	3			
			Total	30	27			700
			Grand Total	180	140			4100