



SEETHALAKSHMI RAMASWAMI COLLEGE
(Autonomous)
Affiliated to Bharathidasan University
Tiruchirappalli
Accredited with A+ by NAAC (4th Cycle)



M.Sc., MATHEMATICS
Revised CBSE-OBE-BASED Curriculum Structure

(For students admitted from 2021 onwards)

SEM	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
I	Core Course - I		Linear Algebra	6	5	EXT	25	75	100
	Core Course - II		Real Analysis	6	5	EXT	25	75	100
	Core Course - III		Advanced Numerical Analysis	6	4	EXT	25	75	100
	Core Course - IV		Optimization Techniques	6	5	EXT	25	75	100
	MBE - I		Graph Theory	6	4	EXT	25	75	100
			TOTAL	30	23	-	-	-	500

II	Core Course - V		Topology	6	5	EXT	25	75	100
	Core Course - VI		Complex Analysis	6	5	EXT	25	75	100
	Core Practical		Object Oriented Programming in C++	6	4	EXT	40	60	100
	MBE- II		Differential Geometry	6	4	EXT	25	75	100
	NME		Offered by other departments	6	4	EXT	25	75	100
III			TOTAL	30	22	-	-	-	500
	Core Course - VII		Abstract Algebra	6	5	EXT	25	75	100
	Core Course - VIII		Measure and Integration	6	5	EXT	25	75	100
	Core Course - IX		Stochastic Processes	6	5	EXT	25	75	100
	Core Course - X		Ordinary Differential equations	6	4	EXT	25	75	100
	MBE - III		Mechanics	6	4	EXT	25	75	100
				TOTAL	30	23	-	-	-
IV	Core Course - XI		Functional Analysis	6	5	EXT	25	75	100
	Core Course - XII		Fluid Dynamics	6	5	EXT	25	75	100
	Core Course - XIII		Partial Differential Equations	6	4	EXT	25	75	100

	MBE - IV		Calculus of Variations and Integral Equations	6	4	EXT	25	75	100
	Project			6	4	EXT	-	-	100
			TOTAL	30	22	-	-	-	500
			GRAND TOTAL	120	90	-	-	-	2000

TOTAL DISTRIBUTION OF HOURS, CREDITS & MARKS FOR UG PROGRAMME			
SEMSTER	HOURS	CREDITS	TOTAL MARKS
I	30	23	500
II	30	22	500
III	30	23	500
IV	30	22	500
TOTAL	120	90	2000

MAJOR BASED ELECTIVE COURSES

SEM	GROUP	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
I	Group – I (Graph Theory/ Theory of Automata)		Course-I: Graph Theory	6	4	EXT	25	75	100
II	Group – II (Differential Geometry / Fuzzy Mathematics)		Course–II: Differential Geometry	6	4	EXT	25	75	100
III	Group – III (Mechanics/Algebraic Topology)		Course–III: Mechanics	6	4	EXT	25	75	100
IV	Group – IV (Calculus of Variations and Integral Equations/ Theory of Probability)		Course–IV: Calculus of Variations and Integral Equations	6	4	EXT	25	75	100
TOTAL				24	16				400

NON MAJOR BASED ELECTIVE COURSE

SEM	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
II		Numerical and Statistical Methods	6	4	EXT	25	75	100

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TIRUCHIRAPPALLI – 620002

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M.Sc MATHEMATICS-CBSE System

(For students admitted from 2021 onwards)

Subject	Number of courses	credit
Core Course(10x5)	10	50
Core Course(3x4)	3	12
Core Practical(1x4)	1	4
Major Based Elective(4x4)	4	16
Non Major Elective(1x4)	1	4
Project(1x4)	1	4
Total	20	90

**BEYOND CURRICULUM EXTRA COURSES OFFERED
LIST OF VALUE ADDED COURSE**

Semester	Paper	Code	Title of the Course
I	I		Fundamentals of Fuzzy Theory
III	II		An Introduction to Indian Mathematics

CERIFICATE COURSES OFFERED TO OTHER DEPARTMENTS

Semester	Paper	Code	Title of the Course
II	I		Quantitative Aptitude- I
IV	II		Quantitative Aptitude- II