



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	P211MAMT01	Linear Algebra	6	5	EXT	25	75	100
	Core Course - II	P211MAMT02	Real Analysis	6	5	EXT	25	75	100
	Core Course - III	P211MAMT03	Advanced Numerical Analysis	6	4	EXT	25	75	100
	Core Course - IV	P211MAMT04	Optimization Techniques	6	5	EXT	25	75	100
	MBE - I	P211MAME01:1	Graph Theory	6	4	EXT	25	75	100
TOTAL				30	23	-	-	-	500
II	Core Course - V	P212MAMT05	Topology	6	5	EXT	25	75	100
	Core Course - VI	P212MAMT06	Complex Analysis	6	5	EXT	25	75	100
	Core Practical	P212MAMP01	Object Oriented Programming in C++	6	4	EXT	40	60	100
	MBE- II	P212MAME02:1	Differential Geometry	6	4	EXT	25	75	100
	NME		Offered by other departments	6	4	EXT	25	75	100
TOTAL				30	22	-	-	-	500

III	Core Course - VII	P213MAMT07	Abstract Algebra	6	5	EXT	25	75	100
	Core Course - VIII	P213MAMT08	Measure and Integration	6	5	EXT	25	75	100
	Core Course - IX	P213MAMT09	Stochastic Processes	6	5	EXT	25	75	100
	Core Course - X	P213MAMT10	Ordinary Differential equations	6	4	EXT	25	75	100
	MBE - III	P213MAME03:1	Mechanics	6	4	EXT	25	75	100
TOTAL				30	23	-	-	-	500
IV	Core Course - XI	P214MAMT11	Functional Analysis	6	5	EXT	25	75	100
	Core Course -XII	P214MAMT12	Fluid Dynamics	6	5	EXT	25	75	100
	Core Course - XIII	P214MAMT13	Differential Equations	6	4	EXT	25	75	100
	MBE - IV	P24MAME04:1	Calculus of Variations and Integral Equations	6	4	EXT	25	75	100
	Project	P214MAPJ01		6	4	EXT	-	-	100
TOTAL				30	22	-	-	-	500
GRAND TOTAL				120	90	-	-	-	2000