

**RATHINAM COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)**

**Scheme of Curriculum for M.Sc. Mathematics for the Batch admitted during 2017-2018 Onwards**

Sem	Part	Type	Sub Code	Subject	Credit	Per Week	CIA	ESE	Total	Exam Hours
1	3	Theory	17MMA13A	Algebra	4	7	40	60	100	3
1	3	Theory	17MMA13B	Real Analysis	4	7	40	60	100	3
1	3	Theory	17MMA13C	Ordinary Differential Equations	4	6	40	60	100	3
1	3	Theory	17MMA13D	Latex & Mathematica	4	5	40	60	100	3
1	3	Theory	17MMA13E	Functional Analysis	4	5	40	60	100	3
2	3	Theory	17MMA23A	Complex Analysis	4	5	40	60	100	3
2	3	Theory	17MMA23B	Partial Differential Equations	4	5	40	60	100	3
2	3	Theory	17MMA23C	Mechanics	4	5	40	60	100	3
2	3	Theory	17MMA23D	MATLAB	4	5	40	60	100	3
2	3	Theory	17MMA23E	Graph Theory	4	5	40	60	100	3
2	3	Theory	ELE1	Elective-I	4	5	40	60	100	3
3	3	Theory	17MMA33A	Topology	4	6	40	60	100	3
3	3	Theory	17MMA33B	Fluid Dynamics	4	6	40	60	100	3
3	3	Theory	17MMA33C	Operations Research	4	6	40	60	100	3
3	3	Theory	17MMA33D	Mathematical Statistics	4	6	40	60	100	3
3	3	Theory	ELE2	Elective-II	4	6	40	60	100	3
3	3	Practical	17MMA33V	Core Practical – VI – Industrial Training Report	2	-	50	-	50	3
4	3	Theory	ELE3	Elective-III	4	5	40	60	100	3
4	3	Theory	17MMA43A	Fuzzy Logic And Systems	4	5	40	60	100	3
4	3	Practical	17MMA43P	Latex & MATLAB Practical	4	5	40	60	100	3
4	3	Theory	17MMA43B	Linear Algebra	4	5	40	60	100	3
4	3	Project	17MMA43V	Project	8	10	40	60	200	3
<b>TOTAL</b>					<b>90</b>	<b>120</b>	<b>890</b>	<b>1260</b>	<b>2250</b>	

Elective	Sub code	Subject
	17MMA2EA	Numerical Methods

Elective-I	17MMA2EB	Cryptography
	17MMA2EC	Astronomy
Elective-II	17MMA3EA	Control Theory
	17MMA3EB	Differential Geometry
	17MMA3EC	Probability theory
Elective-III	17MMA4EA	Stochastic Processes
	17MMA4EB	Number Theory
	17MMA4EC	Operator Theory