

RATHINAM COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

Scheme of Curriculum for B.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	1	L1	LANG1	Language -I	3	6	40	60	100	3
1	2	E1	17BGE12E	English for Communication	3	6	40	60	100	3
1	3	C1	17BMA13A	Core - I -Algebra	4	6	40	60	100	3
1	3	C2	17BMA13B	Core - II -Calculus	4	5	40	60	100	3
1	3	A1	17BMA1AA	Allied -I - Statistics for Mathematics I	4	5	40	60	100	3
1	4	AEC1	17BGE1FA	Ability Enhancement Compulsory Course-I -Environmental Studies @	2	2	50	-	50	3
1	6	VAC	17BMA1VA	Value Added Course - I@	2	-	100	-	100	3
2	1	L2	LANG2	Language -II	3	6	40	60	100	3
2	2	E2	17BMA22E	English for Mathematics	3	6	40	60	100	3
2	3	C3	17BMA23A	Core - III -Trigonometry, Vector Calculus & Fourier Series	4	6	40	60	100	3
2	3	C4	17BMA23B	Core IV -Analytical Geometry	5	5	40	60	100	3
2	3	A2	17BMA2AB	Allied -II - Statistics for Mathematics II	4	5	40	60	100	3
2	4	AEC2	17BGE2FB	Ability Enhancement Compulsory Course-II -Value Education Human Rights @	2	2	50	-	50	3
2	6	VAC	17BMA2VA	Value Added Course - II@	2	-	100	-	100	3
3	3	C5	17BMA33A	Core - V -Statics	4	6	40	60	100	3
3	3	C6	17BMA33B	Core - VI- Differential Equation	4	6	40	60	100	3
3	3	A3	17BMA3AC	Allied - III - Physics - I	4	6	40	60	100	3
3	4	S1	17BMA3ZA	Skill Enhancement Courses -I -Numerical Methods Using C++	4	5	40	60	100	3
3	4	SP1	17BMA3ZP	Skill Lab -I - Numerical Methods Using C++	3	3	40	60	100	3
3	4	AEC3	17BGE3FC	Ability Enhancement Compulsory Course-III -(Tamil / Advanced Tamil (OR) Non-major elective-1 (Yoga for Human Excellence) / Women's Rights / Career Enhancement -I) @	2	2	50	-	50	3
3	6	VAC	17BMA3VA	Value Added Course - III@	2	-	100	-	100	3
3	6	IDL	IDL1	Inter Department Learning -I#	2	2	-	100	100	3
4	3	C7	17BMA43A	Core - VII -Dynamics	5	6	40	60	100	3

4	3	C8	17BMA43B	Core - VIII -Modern Algebra-I	4	6	40	60	100	3
4	3	A4	17BMA4AD	Allied - IV - Physics - II	4	6	40	60	100	3
4	4	S2	17BMA4ZB	Skill Enhancement Courses -II - Mathematica	4	5	40	60	100	3
4	4	SP2	17BMA4ZP	Skill Lab -II - Mathematica	3	3	40	60	100	3
4	4	AEC4	17BGE4FD	Ability Enhancement Compulsory Course-IV -(Tamil / Advanced Tamil (OR) Non-major elective-II (General Awareness) / Career Enhancement -II) @	2	2	50	-	50	3
4	6	VAC	17BMA4VA	Value Added Course - IV@	2	-	100	-	100	3
4	6	IDL	IDL2	Inter Department Learning -II#	2	2	-	100	100	3
5	3	C9	17BMA53A	Core - IX - Real Analysis -I	5	5	40	60	100	3
5	3	C10	17BMA53B	Core X -Complex Analysis -I	4	5	40	60	100	3
5	3	C11	17BMA53C	Core -XI - Modern Algebra-II	5	5	40	60	100	3
5	3	EL1	ELE1	Elective - I	4	5	40	60	100	3
5	3	EL2	ELE2	Elective - II	4	5	40	60	100	3
5	3	CP1	17BMA53V	Industrial Training	2	-	-	50	50	3
5	4	S3	17BMA5ZC	Skill Enhancement Courses -III - Operation Research I	4	5	40	60	100	3
5	6	VAC	17BMA5VA	Value Added Course - V@	2	-	100	-	100	3
6	3	C12	17BMA63A	Core XII -Real Analysis -II	5	6	40	60	100	3
6	3	C13	17BMA63B	Core - XIII - Complex Ananlysis -II	5	6	40	60	100	3
6	3	EL3	ELE3	Elective -III	4	6	40	60	100	3
6	3	CP2	17BMA63V	Core Project	8	6	80	120	200	3
6	4	S4	17BMA6ZD	Skill Enhancement Courses -IV - Operation Research II	4	6	40	60	100	3
6	5	EX	17BGE65A	Extension Activity@	2	-	50	-	50	
TOTAL					154	180	2030	2170	4200	

Elective	Sub code	Subject
Elective-I	17BMA5EA	Linear Algebra
	17BMA5EB	Discrete Mathematics
	17BMA5EC	Graph Theory
Elective-II	17BMA5ED	Number Theory
	17BMA5EE	Fuzzy Mathematics

	17BMA5EF	Real time application of Mathematics
Elective-III	17BMA6EA	Astronomy
	17BMA6EB	Combinatorics
	17BMA6EC	Control Theory

Inter Department Learning

IDL	Sub Code	Subject
SEM3	17BMA3LA	Introduction to Indian Mathematics
	17BMA3LB	Decision Making
	17BMA3LC	Big Data Analytics
	17BMA3LD	Statistical Modeling
SEM4	17BMA4LA	Real life Application of Mathematics
	17BMA4LB	Actuarial Science
	17BMA4LC	Research Methodology
	17BMA4LD	Astrology