

B.Sc. MATHEMATICS (2008 – 2009)

S. No.	Semester	Category	Paper Code	Title of the Paper	Maximum Marks			Minimum Marks for Pass			Hours/Week	Credits
					CIA	EE	Total	CIA	EE	Total		
1	I	Part – I	8U1T1/H1	Tamil – I / Hindi – I	25	75	100	10	30	40	6	3
2		Part – II	8U1E1	English – I	25	75	100	10	30	40	6	3
3		Core	8U1MAC1	Differential Calculus and Trigonometry	25	75	100	10	30	40	4	3
4		Allied	8U1MAPHA1	Allied Physics – I	25	75	100	10	30	40	5	4
5		Valued Based Education	8U1MAVE	Valued Based Education		100	100		40	40	2	2
6		Core	8U2MAC2	Analytical geometry 3-D and Integral Calculus (N.S.)	-	-	-	-	-	-	2	-
7		Allied	8U2MAPHAPL	Allied Physics Practical (N.S)	-	-	-	-	-	-	3	-
8		Skill Based Elective	8U1_ _S1	Skill Based Elective – I	25	75	100	10	30	40	2	2
9	II	Part – I	8U2T2/H2	Tamil – II / Hindi – II	25	75	100	10	30	40	6	3
10		Part – II	8U2E2	English – II	25	75	100	10	30	40	6	3
11		Core	8U2MAC2	Analytical Geometry 3-D and Integral Calculus (N.S)	25	75	100	10	30	40	2	3
12		Core	8U2MAC3	Classical Algebra	25	75	100	10	30	40	4	3
13		Allied	8U2MAPHA2	Allied Physics – II	25	75	100	10	30	40	5	4
14		Allied	8U2MAPHAPL	Allied Physics Practical (N.S)	40	60	100	16	24	40	3	2
15		ES	8U2MAES	Environmental Studies		100	100		40	40	2	2
16		Skill Based Elective	8U2_ _S2	Skill Based Elective – II	25	75	100	10	30	40	2	2
17	III	Part – I	8U3T3/H3	Tamil – III / Hindi – III	25	75	100	10	30	40	6	3
18		Part – II	8U3E3	English – III	25	75	100	10	30	40	6	3
19		Core	8U3MAC4	Sequence and Series	25	75	100	10	30	40	4	4
20		Core	8U3MAC5	Differential Equations and its Applications	25	75	100	10	30	40	4	4
21		Allied	8U3MAMSA1	Allied Mathematical Statistics - I	25	75	100	10	30	40	5	4
22		Allied (NS)	8U4MAMSAPL	Allied Mathematical Statistics - I Practicals (N.S)	-	-	-	-	-	-	3	-
23		Skill Based Elective	8U3_ _S3	Skill Based Elective – III	25	75	100	10	30	40	2	2

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					CIA	EE	Total	CIA	EE	Total		
24	IV	Part – I	8U4T4/H4	Tamil-IV / Hindi-IV	25	75	100	10	30	40	6	3
25		Part – II	8U4E4	English – IV	25	75	100	10	30	40	6	3
26		Core	8U4MAC6	Vector Calculus, Laplace Transforms and Fourier Series	25	75	100	10	30	40	4	4
27		Core	8U4MAC7	Statics	25	75	100	10	30	40	4	4
28		Allied	8U4MAMSA2	Allied Mathematical Statistics - II	25	75	100	10	30	40	5	4
29		Allied (NS)	8U4MAMSAPL	Allied Mathematical Statistics Practical (N.S)	40	60	100	16	24	40	3	2
30		Skill Based Elective	8U4_ _ S4	Skill Based Elective – IV	25	75	100	10	30	40	2	2
31	V	Core	8U5MAC8	Dynamics	25	75	100	10	30	40	6	5
32		Core	8U5MAC9	Abstract Algebra	25	75	100	10	30	40	6	6
33		Core	8U5MAC10	Real Analysis	25	75	100	10	30	40	6	6
34		Major Elective	8U5MAEL1A 8U5MAEL1B	Numerical Methods (or) Number Theory	25	75	100	10	30	40	4	3
35		Major Elective	8U5MAEL2A 8U5MAEL2B	Graph Theory (or) Mathematical Modeling	25	75	100	10	30	40	4	4
36		Non Major Elective	8U5_ _NME1	Non-Major Elective – I	25	75	100	10	30	40	2	2
37		Skill Based Elective	8U5_ _S5	Skill Based Elective – V	25	75	100	10	30	40	2	2
38	VI	Core	8U6MAC11	Complex Analysis	25	75	100	10	30	40	6	6
39		Core	8U6MAC12	Operations Research	25	75	100	10	30	40	6	6
40		Core	8U6MAC13	Programming in C	25	75	100	10	30	40	4	4
41		Core – PL	8U6MAPL	Programming in C Practical	40	60	100	16	24	40	2	2
42		Major Elective	8U6MAEL3A 8U6MAEL3B	Discrete Mathematics (or) Formal Languages and Automata Theory	25	75	100	10	30	40	4	4
43		Major Elective	8U6MAEL4A 8U6MAEL4B	Astronomy (or) Stochastic processes	25	75	100	10	30	40	4	4
44		Non-Major Elective	8U6_ _NME2	Non-Major Elective - II	25	75	100	10	30	40	2	2
45		Skill Based Elective	8U6_ _S6	Skill Based Elective – VI	25	75	100	10	30	40	2	2
46			8U6MAEA	Extension Activities	-	-	-	-	-	-	-	1

B.Sc. MATHEMATICS (2008 – 2009)

Part	Total No. Of Papers	Total Marks	Total Credits	Classification
Part - I	04	400	12	√
Part - II	04	400	12	√
Part - III Core Allied Major Elective	02 06 04 23	1300 600 400 2300	60 20 15 95	√
Part - IV Value Education Skill Elective Non Major Elective	02 06 02 10	200 600 200 1000	04 12 04 20	√
Part - V	Extension Activity		01	x
Total	41	4100	140	√

B.Sc. MATHEMATICS (2017 - 2018)

S. No.	Semester	Category	Paper Code	Title of the Paper	Maximum Marks			Minimum Marks for Pass			Hours/ Week	Credits
					CIA	EE	Total	CIA	EE	Total		
1.	I	Part – I	17U1MAT1/H1	Tamil – I / Hindi – I	25	75	100	10	30	40	6	3
2.		English	17U1MAE1	English – I	25	75	100	10	30	40	6	3
3.		Core	17U1MAC1	Differential Calculus and Trigonometry	25	75	100	10	30	40	5	4
4.		Core	17U1MAC2	Analytical Geometry 3-D and Integral Calculus	25	75	100	10	30	40	5	4
5.		Allied	17U1MAPHA1	Allied Physics – I	25	75	100	10	30	40	5	4
		Allied	17U2MAPHAPL	Allied Physics Practical (N.S)	-	-	-	-	-	-	3	-
6.		ES	17U1MAES	Environmental Studies	-	100	100	-	40	40	SS	1
7.	II	Part – I	17U2MAT2/H2	Tamil – II / Hindi – II	25	75	100	10	30	40	6	3
8.		English	17U2MAE2	English – II	25	75	100	10	30	40	6	3
9.		Core	17U2MAC3	Classical Algebra	25	75	100	10	30	40	4	5
10.		Core	17U2MAC4	Sequence and Series	25	75	100	10	30	40	5	5
11.		Allied	17U2MAPHA2	Allied Physics – II	25	75	100	10	30	40	5	4
12.		Allied	17U2MAPHAPL	Allied Physics Practical (N.S)	40	60	100	16	24	40	3	2
13.		Skill Based Education	17U2MAS1	Skill Based Education- I (Non-Verbal Reasoning)	25	75	100	10	30	40	1	1
14.		VBE	17U2MAVE	Value based Education	25	75	100	10	30	40	SS	-
15.	III	Part – I	17U3MAT3/H3	Tamil – III / Hindi – III	25	75	100	10	30	40	6	3
16.		English	17U3MAE3	English – III	25	75	100	10	30	40	6	3
17.		Core	17U3MAC5	Differential Equations and Laplace transform	25	75	100	10	30	40	5	5
18.		Core	17U3MAC6	Statics	25	75	100	10	30	40	5	5
19.		Allied	17U3MAMSA1	Allied Mathematical Statistics - I	25	75	100	10	30	40	5	4
		Allied (NS)	17U4MAMSAPL	Allied Mathematical Statistics - I Practicals (N.S)	-	-	-	-	-	-	3	-
20.		GS	17U3MAGS	Gender Studies	-	100	100	-	40	40	SS	-

S. No.	Semester	Category	Paper Code	Title of the Paper	Maximum Marks			Minimum Marks for Pass			Hours/Week	Credits
					CIA	EE	Total	CIA	EE	Total		
21.	IV	Part – I	17U4MAT4/H4	Tamil-IV / Hindi-IV	25	75	100	10	30	40	6	3
22.		English	17U4MAE4	English – IV	25	75	100	10	30	40	6	3
23.		Core	17U4MAC7	Vector Calculus, Fourier Series and Fourier Transforms	25	75	100	10	30	40	4	5
24.		Core	17U4MAC8	Dynamics	25	75	100	10	30	40	5	5
25.		Allied	17U4MAMSA2	Allied Mathematical Statistics - II	25	75	100	10	30	40	5	4
26.		Allied (NS)	17U4MAMSAPL	Allied Mathematical Statistics - Practical (N.S)	25	75	100	10	30	40	3	2
27.		Skill Based Education	17U4MAS2	Skill Based Education–II (Arithmetic Ability)	25	75	100	10	30	40	1	1
28.	V	Core	17U5MAC9	Abstract Algebra	25	75	100	10	30	40	5	6
29.		Core	17U5MAC10	Real Analysis	25	75	100	10	30	40	5	6
30.		Core	17U5MAC11	Number Theory	25	75	100	10	30	40	5	5
31.		Core	17U5MAC12	Discrete Mathematics	25	75	100	10	30	40	4	4
32.		Major Elective	17U5MAEL1A 17U5MAEL1B	Numerical Methods (or) Special Functions	25	75	100	10	30	40	4	3
33.		Major Elective	17U5MAEL2A 17U5MAEL2B	Graph Theory (or) Mathematical Modeling	25	75	100	10	30	40	4	3
34.		NME	17U5MANME	Non-Major Elective: Mathematical Finance	25	75	100	10	30	40	2	1
35.		SSD	17U6MASSD	Soft Skill Development	-	100	100	-	40	40	1	-
36.	VI	Core	17U6MAC13	Complex Analysis	25	75	100	10	30	40	5	5
37.		Core	17U6MAC14	Operations Research	25	75	100	10	30	40	4	4
38.		Core	17U6MAC15	Programming in C	25	75	100	10	30	40	4	5
39.		Core – PL	17U6MACPL	Programming in C Practical	40	60	100	16	24	40	5	3
40.		Major Elective	17U6MAEL3A 17U6MAEL3B	Fuzzy sets and its applications (or) Formal Languages and Automata Theory	25	75	100	10	30	40	5	4
41.		Major Elective	17U6MAEL4A 17U6MAEL4B	Astronomy (or) Stochastic processes	25	75	100	10	30	40	5	4
42.		CN	17U6MACN	Comprehensive test	-	100	100	-	40	40	1	1
43.		GK	17U6MAGK	General Knowledge	-	100	100	-	40	40	1	-
				Extension Activities	-	-	-	-	-	-	-	1
				Total			4300				180	140

B.Sc., MATHEMATICS (2017 - 2018)

Paper Code	Total No. Of Papers	Total Marks	Total Credits	Classification
Part - I	04	400	12	√
Part – II	04	400	12	√
Part – III				
Core	16	1600	76	
Allied	06	600	20	
Major Elective	04	400	14	√
	26	2600	110	
Part – IV				
Environmental Studies	1	100	1	
Value based education	1	100	--	
Skill Based Elective	2	200	2	
Gender studies	1	100	--	
Non Major Elective	1	100	1	√
Soft skill development	1	100	--	
G.K	1	100	--	
Comprehensive Test	1	100	1	
	9	900	05	
Part – V	Extension Activity		1	X
Total	43	4300	140	√