

B.Sc. MATHEMATICS**CBCS PATTERN**

(With effect from 2012 - 2013)

The Course of Study and the Scheme of Examinations

S.NO	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Paper code	Maximum Marks		
		Course Title						CIA	Uni. Exam	Total
SEMESTER I								CIA	Uni. Exam	Total
1	I	Language	Paper-1	6	4	Tamil I	ULT 10	25	75	100
2	II	English	Paper-1	6	4	English I	ULE 10	25	75	100
3	III	Core Theory	Paper-1	5	3	Algebra	UMA 11	25	75	100
4	III	Core Theory	Paper-2	4	3	Trigonometry	UMA 12	25	75	100
5	III	ALLIED -1	Paper-1	7	4	Numerical Methods I	UAMA 13A	25	75	100
7	IV	Environ. Studies		2	2	Environmental Studies	UES 10	10	40	50
			Total	30	20			135	415	550
SEMESTER II								CIA	Uni. Exam	Total
8	I	Language	Paper-2	6	4	Tamil II	ULT 20	25	75	100
9	II	English	Paper-2	4	4	English II	ULE 20	25	75	100
10	III	Core Theory	Paper-3	5	3	Calculus	UMA 21	25	75	100
11	III	Core Theory	Paper-4	4	3	Analytical Geometry	UMA 22	25	75	100
12	III	ALLIED-1	Paper-2	7	6	Numerical Methods II	UAMA 23A	25	75	100
14	IV	Value Education		2	2	Value Education	UGA 20	10	40	50
15	IV	Soft Skill		2	1	Soft Skill	USS 20	10	40	50
			Total	30	23			145	455	600

SEMESTER III								CIA	Uni. Exam	Total
16	I	Language	Paper-3	6	4	Tamil III	ULT 30	25	75	100
17	II	English	Paper-3	6	4	English III	ULE 30	25	75	100
18	III	Core Theory	Paper-5	6	4	Differential Equations	UMA 31	25	75	100
20	III	ALLIED-2 (Theory) ALLIED-2 (Practical)	Paper-3	4 3	4 0	Mathematical Statistics I	UAMA 13B	15	60	75
21	IV	Skill based Subject	Paper-1	3	3	Mathematics for competitive Examinations	USMA 33	15	60	75
22	IV	Non-major elective	Paper-1	2	2	Basic Mathematics	UNMA 34	10	40	50
			Total	30	21			125	400	525
SEMESTER IV								CIA	Uni. Exam	Total
23	I	Language	Paper-4	6	4	Tamil IV	ULT 40	25	75	100
24	II	English	Paper-4	6	4	English IV	ULE 40	25	75	100
25	III	Core Theory	Paper-6	6	4	Vector Analysis and Fourier analysis	UMA 41	25	75	100
27	III	ALLIED-2 (Theory)	Paper-4	4	4	Mathematical Statistics II	UAMA 23B	15	60	75
		ALLIED-2 (Practical)	Practical-2	3	2	Mathematical Statistics I & II	UPMA 24	10	40	50
28	IV	Skill based Subject	Paper-2	3	3	Linear Programming	USMA 43	15	60	75
29	IV	Non-major elective	Paper-2	2	2	Foundation Mathematics for Competitive Examination	UNMA 44	10	40	50
			Total	30	23			125	400	525

SEM ESTER V								CIA	Uni. Exam	Total
30	III	Core Theory	Paper-7	5	4	Abstract Algebra	UMA 51	25	75	100
31	III	Core Theory	Paper-8	5	4	Real Analysis I	UMA 52	25	75	100
32	III	Core Theory	Paper-9	5	4	Complex Analysis-I	UMA 53	25	75	100
33	III	Core Theory	Paper-10	5	4	Statics	UMA 54	25	75	100
34	III	Core Theory	Paper-11	4	4	Dynamics	UMA 55	25	75	100
35	III	Elective	Paper-1	3	3	Graph Theory	UEMA 56A	25	75	100
36	IV	Skill based Subject	Paper-3	3	3	Quantitative Techniques	USMA 57	15	60	75
			Total	30	26			165	510	675

SEMESTER VI								CIA	Uni. Exam	Total
37	III	Core Theory	Paper-12	5	4	Linear Algebra	UMA 61	25	75	100
38	III	Core Theory	Paper-13	5	4	Real Analysis II	UMA 62	25	75	100
39	III	Core Theory	Paper-14	5	4	Complex Analysis II	UMA 63	25	75	100
40	III	Core Theory	Paper-15	3	3	Programming in C Language	UMA 64	15	60	75
			Practical	3	2	Practical in C Language	UPMA 68	10	15	25
41	III	Elective	Paper-2	3	3	Operations Research	UEMA 65A	25	75	100
42	III	Elective	Paper-3	3	3	Fuzzy Mathematics.	UEMA 66B	25	75	100
43	IV	Skill based Subject	Paper-4	3	3	Fundamentals of Applied Mathematics	USMA 67	15	60	75
44	V	Extension Activities		0	1		UEA 60	50	0	50
			Total	30	27			215	510	725

Part	Subject	Papers	Credit	Total credits	Marks	Total marks
Part I	Languages	4	4	16	100	400
Part II	English	4	4	16	100	400
Part III	Allied (Odd Sem)	2	4	8	75	150
	Allied (Even Sem)	2	4	8	75	150
	Allied -Prac(Even Sem)	2	2	4	50	100
	Electives	3	3	9	100	300
	Core	15	(3-7)	57	100	1500
Part IV	Env. Science	1	2	2	50	50
	Soft skill)	1	1	1	50	50
	Value Education	1	2	2	50	50
	Lang. & Others/NME	2	2	4	50	100
	Skill Based	4	3	12	75	300
Part V	Extension	1	1	1	50	50
	Total	42		140		3600