

LESSON PLAN
DEPT. OF MATHEMATICS – 2023

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GL:Guest Lecturer)

4 YEAR B.SC. DEGREE COURSE and 3 YEAR B.SC. COURSE (MDC):
SEM1 & SEM2

Semester	Programme	Course Code	Topic		Teachers	No. of Hours	Marks
1	Major	CC 1-1	Calculus		AB	16	26
			Geometry		PL	28	48
			Vector Analysis		BS	16	26
		SEC 1-1	C Language with Mathematical Applications		DP	60	100
	Minor / MDC	Minor 1	Calculus		AB	16	26
			Geometry		PL	28	48
			Vector Analysis		BS	16	26
	MDC	SEC 1-1	C Language with Mathematical Applications		DP	60	100
	IDC	IDC 1-1	Mathematics in Everyday Life		AB	36	60
					PL	9	15
2	Major	CC 2-2	Basic Algebra	Gr. A	PL	20	32
				Gr. B	AB	10	17
					BS	10	17
				Gr. C	AB	10	17
					BS	10	17
		SEC 2-2	Artificial Intelligence		DP	60	100
	Minor / MDC	Minor 2	Basic Algebra	Gr. A	PL	20	32
				Gr. B	AB	10	17
					BS	10	17
				Gr. C	AB	10	17
					BS	10	17
	MDC	SEC 2-2	Artificial Intelligence		DP	60	100
	IDC	IDC 2-2	Mathematics in Everyday Life		AB	36	60
					PL	9	15

B.SC., CBCS HONOURS AND GENERAL: SEM3, SEM4, SEM5, SEM6

Semester	Programme	Course Code	Topic	Teachers	No. of Hours	Marks
3	Hons	CC 5	Limit & Continuity of functions	AB	40	55
			Differentiability of Functions	PL	35	45
		CC 6	Ring Theory	PL	35	47
			Linear Algebra-I	AB	25	33
			Linear Algebra-I	BS	15	20
		CC 7	Ordinary Differential Equation	BS	40	53
			Multivariate Calculus-I	BS	27	36
			Multivariate Calculus-I	GL	08	11
		SEC-A	C Programming Language	DP	50	100
3	General	CC 3/ GE 3	Integral Calculus	BS	10	16
			Numerical Methods	GL	25	42
			Linear Programming	AB	25	42
		SEC - A	C Programming Language	DP	30	100
4	Hons	CC 8	Riemann Integration	PL	35	47
			Improper Integral, Series of Functions, Power Series	AB	36	47
			Fourier Series	GL	4	6
		CC 9	Partial Differential Equation	BS	40	53
			Multivariate Calculus-II	PL	35	47
		CC 10	Coplanar Force, Couple, Friction	BS	15	20
			Virtual Work, Stability Kinematics, Newton Laws, Particle dynamics, Planar motion of a particle, Many particles systems, Angular momentum Principle, Energy Principle	GL	60	80
		SEC - B	Scientific Computing with Sage Math & R	DP	50	100
4	General	CC 4/ GE 4	Algebra-II	PL	10	17
			Computer Science & Programming	DP	25	41
			Probability	BS	7	12
			Statistics	AB	18	30
5	Hons	CC 11	Probability and Graphical Demonstration	BS	45	60
			Statistics	GL	30	40
		CC 12	Group Theory-II	BS	35	47
			Linear Algebra-II	AB	27	36
				GL	13	17
		DSE – A1	Group Theory	GL	25	33
			Ring Theory	PL	50	67

		DSE – B1	LPP	AB	75	100
5	General	DSE - A	Particle Dynamics	BS	60	100
		SEC - A	Object Oriented C++	DP	30	100
6	Hons	CC 13	Metric Space	AB	40	53
			Complex Analysis	PL	35	47
		CC 14	Numerical Methods	BS	55	52
			Numerical Methods Lab	DP	50	48
		DSE - A2	Differential Geometry	GL	75	100
		DSE-B2	Advanced Mechanics	BS	75	100
6	General	SEC-B	Boolean Algebra	DP	30	100
		DSE-B	Uniform Convergence of Sequence and Series of functions	PL	26	43
			Power series and radius of Convergence, Laplace Transformation	AB	30	50
			Fourier Series	GL	4	7