

SUKANTA MAHAVIDYALAYA
DEPARTMENT OF MATHEMATICS
SYLLABUS DISTRIBUTION OF ODD SEMESTER 2023 (JULY-DECEMBER 2023)

SEMESTER	COURSE	PAPER	UNIT	TOPIC	NAME OF THE TEACHER
SEM-1	MAJOR	MAJ-1	UNIT-1	Classical Algebra	SK
			UNIT-2	Classical Algebra	SK
			UNIT-3	Classical Algebra	SK
			UNIT-4	Linear Algebra	SC
			UNIT-5	Linear Algebra	SC
			UNIT-6	Linear Algebra	SC
		SEC	UNIT-1	Logic	SK
			UNIT-2	Integers	AR
			UNIT-3	Boolean Algebra	CM
		SEC Practical	1. 2.	Congruence	BG
			4	Code	CM
			5. 6.	Gate & Logic Curciut	SK
	MINOR	MIN-1	UNIT-1	Classical Algebra	AR
			UNIT-2	Classical Algebra	CM
			UNIT-3	Classical Algebra	CM
			UNIT-4	Linear Algebra	AR
			UNIT-5	Linear Algebra	AR
			UNIT-6	Linear Algebra	AR
SEM-3	HONOURS	CC-5	UNIT-1	Limit & Continuity	SC
			UNIT-2	Differentiability	AR
			UNIT-3	MVT	CM
			UNIT-4	Metric Space	CM
		CC-6	UNIT-1	Group Theory	SC
			UNIT-2	Group Theory	SC
			UNIT-3	Group Theory	SC
			UNIT-4	Group Homomorphism	BG
		CC-7	UNIT-1	Riemann Integration, Improper Integral	BG
			UNIT-2	Sequence & Series	BG
			UNIT-3	Fourier Series	SK
			UNIT-4	Power Series	SK
		SEC(H) (Graph Theory)	UNIT-1	Graph Theory	CM
			UNIT-2	Graph Theory	CM
			UNIT-3	Graph Theory	SK
		GE	GE-3 (Calculus, Geometry & DE)	UNIT-1	Application of Differentiation
	UNIT-2			Application of Integration	SC
	UNIT-3			2D & 3D Geometry	BG
	UNIT-4			Differential Equation	CM
	PROGRAMME	DSC-3	UNIT-1	Complex Numbers & Inequalities	CM
				Theory of Equations	BG
			UNIT-2	Equivalence Relation, Mapping, Integers	SK
			UNIT-3	Matrix	AR
		SEC(P) (Graph Theory)	UNIT-4	System of Linear Equations	AR
UNIT-1			Graph Theory	AR	
UNIT-2			Graph Theory	CM	
UNIT-3			Graph Theory	CM	
SEM-5	HONOURS	CC-11	UNIT-1	Group Theory-II	SC
			UNIT-2	Group Theory-II	SC
			UNIT-3	Group Theory-II	SC
			UNIT-4	Group Theory-II	SC
		CC-12	UNIT-1	Error Estimation, Algorithm, Convergence	CM
			UNIT-2	Solution of Polynomial & Transcendental Equation	SK
			UNIT-3	System of Linear Algebraic Equations	SK
			UNIT-4	Interpolation & Numerical Differentiation	SK
			UNIT-5	Numerical Integration, Eigen Value: Power Method	SK
			UNIT-6	Solution of Ordinary DE	CM
		CC-12 Practical		Numerical Method Lab Practical	SK & CM
		DSE-1 (Probability & Statistics)	UNIT-1	Probability	BG
			UNIT-2	Probability	BG
			UNIT-3	Some Special Probability Distributions	CM
			UNIT-4	Sampling Distribution	CM
		DSE-2 (Number Theory)	UNIT-4	Estimation of Parameters & Hypothesis	SK
	UNIT-1		Number Theory	AR	
	UNIT-2		Number Theory	AR	
	UNIT-3		Number Theory	BG	
	PROGRAMME	DSE-1 (Group Theory & Linear Algebra)	UNIT-1	Group Theory	SC
			UNIT-2	Group Theory	SC
			UNIT-3	Vector Space	SK
			UNIT-4	Linear Transform	SK
		SEC(P) (Theory of Probability)	UNIT-1	Probability	CM
UNIT-2			Probability	AR	
UNIT-3			Some Special Probability Distributions	CM	