

SUKANTA MAHAVIDYALAYA
DEPARTMENT OF MATHEMATICS
SYLLABUS DISTRIBUTION
JAN-JUNE 2023

SEMESTER	PAPER	UNIT	TOPICS	TEACHER
2ND SEMESTER	HCC-III	1	Real analysis	SK
		2	Sequence of real numbers	AR
		3	Series of real numbers	SC
	HCC-IV	1	Differential equation	CM
		2	Differential equation	BG
		3	Differential equation	BG
		4	Vector calculus	SK
	GE	1	Differential equation	SC
		2	Differential equation	CM
		3	Differential equation	SK
		4	Vector calculus	SK
	DSC	1	Complex number , inequality	SK
			Theory of equations	BG
2		Relation , mapping	AR	
3	Integers	AR		
	System of linear equations	SC		
4TH SEMESTER	HCC-VIII	1	Function of several variables	SK
		2	Multiple integral	BG
		3	Vector calculus	SK
		4	Vector integration	SK
	HCC-IX	1	Ring & field	SC
		2	Homomorphism	SC
		3	Vector space	SC
		4	Linear transform	SC
	HCC-X	1	Functional analysis	AR
		2	Complex analysis	AR
		3	Complex analysis	AR
		4	Complex analysis	AR
		5	Complex analysis	AR
	SEC(for core course)	Graph theory		CM
	DSC	1	Differential equation	BG
		2	Differential equation	CM+AR
		3	Differential equation	AR
		4	Vector calculus	SK
	GE	1	Differential equation	CM+SC
		2	Differential equation	BG
		3	Differential equation	AR
		4	Vector calculus	SC
	SEC(for DSC)	Theory of equations		CM
6TH SEMESTER	HCC-XIII	1	Ring Theory	SC
		2	Linear algebra-II	CM
		3	Linear algebra-II	SC
	HCC-XIV	1	1st order PDE	BG
		2	2nd order PDE	BG
		3	2nd order PDE	SK
		4	Dynamics of Particle	SK
	DSE(H)-III	1	Discrete Mathematics	CM
		2	Boolean Algebra	CM
		3	Automata Theory	CM
		4	Automata Theory	CM
		5	Automata Theory	CM
	DSE(H)-IV	1	Polynomial Equation & Roots	BG
		2	Theory of equations	AR
		3	Theory of equations	AR
		4	Theory of equations	AR
	DSE(P)-II	1	LTP	CM
		2	LTP	BG
		3	Game Theory	BG
	SEC(P)-2	1	Graph theory	CM
		2	Graph theory	CM
		3	Graph theory	CM

*SC- Sarani Chakraborty, SK- Sougata Kargee, CM- Chhapikul Miah, BG- Biswajit Gope, AR- Ashalata Roy