

## Summary of lesson plan of college Faculty

Name of College: **IGN College, Ladwa** Academic session **2022-23**

Semester: **Odd** for the month of September **2022**

Sr. no.	Name of Assistant Professor	Subject	Class	Topic/ chapter to be covered	Other Activity
<b>1</b>	<b>Dr. Vandana Gupta</b>	Mathematics	BSc III (Practical)	PROGRAM TO DEMONSTRATE NEWTON FORWARD INTERPOLATION FORMULA	Class Test to be taken
				PROGRAM TO DEMONSTRATE NEWTON BACKWARD INTERPOLATION FORMULA	
			BSc. I	MATRICES	
				CHARACTERISTIC EQUATION OF A MATRIX, APPLICATIONS OF MATRICES TO A SYSTEM OF LINEAR EQUATIONS	
			BSc. II	FORMATION OF PARTIAL DIFFERENTIAL EQUATIONS, FIRST ORDER LINEAR PARTIAL DIFFERENTIAL EQUATIONS	
				FIRST ORDER NON LINEAR PARTIAL DIFFERENTIAL EQUATIONS	
			Bsc III	GROUPS AND SUBGROUPS	
				COSETS, HOMOMORPHISMS AND AUTOMORPHISMS	

### Summary of lesson plan of college Faculty

Name of College: **IGN College, Ladwa** Academic session **2022-23**

Semester: **Odd** for the month of **October 2022**

Sr. no.	Name of Assistant Professor	Subject	Class	Topic/ chapter to be covered	Other Activity
<b>1</b>	<b>Dr. Vandana Gupta</b>	Mathe matics	BSc III (Practical)	PROGRAM TO DEMONSTRATE LAGRANGE'S INTERPOLATION FORMULA	Assignment I to be taken
				PROGRAM TO DEMONSTRATE TRAPEZOIDAL RULE	
				PROGRAM TO DEMONSTRATE SIMPSON'S 1/3 RULE	
			BSc I	ORTHOGONAL AND UNITARY MATRICES	
				RELATION BETWEEN THE ROOTS AND COEFFICIENTS OF AN EQUATION	
			Bsc II	CLASSIFICATION AND CANONICAL FORMS OF SECOND ORDER LINEAR PARTIAL DIFFERENTIAL EQUATIONS	
				MONGE'S METHOD FOR PARTIAL DIFFERENTIAL EQUATIONS OF SECOND ORDER, CAUCHY'S PROBLEM	
			Bsc III	PERMUTATION GROUPS, RINGS AND FIELDS	
				IDEALS AND QUOTIENT RINGS, HOMOMORPHISMS OF RINGS	
				EUCLIDEAN RINGS	

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Name of College: **IGN College, Ladwa** Academic session **2022-23**

Semesters: **Odd** for the month of **November 2022**

Sr. no.	Name of Assistant Professor	Subject	Class	Topic/ chapter to be covered	Other Activity
<b>1</b>	<b>Prof. Vandana Gupta</b>	Mathematics	BSc III (Practical)	PROGRAM TO DEMONSTRATE SIMPSON'S 3/8 RUL	Assignment II to be taken
				PROGRAM TO DEMONSTRATE EULER'S METHOD	
				PROGRAM TO DEMONSTRATE EULER'S MODIFIED METHOD	
			BSc I	TRANSFORMATION OF EQUATIONS	
				SOLUTION OF CUBIC AND BIQUADRATIC EQUATIONS, DESCARTE'S RULE OF SIGNS	
				THE CONICOID	
			Bsc II	METHOD OF SEPERATION OF VARIABLES	
				VIRTUAL WORK	
				FORCES IN THREE DIMENSIONS	
			Bsc III	POLYNOMIAL RINGS	
				NUMERICAL DIFFERENTIATION	

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Name of College: **IGN College, Ladwa** Academic session **2022-23**

Semester: **Odd** for the month of **December 2022**

Sr. no.	Name of Assistant Professor	Subject	Class	Topic/ chapter to be covered	Other Activity		
1	Dr. Vandana Gupta	Mathematics	BSc III (Practical)	PROGRAM TO DEMONSTRATE RUNGA-KUTTA METHOD OF FOURTH ORDER	Test		
				PROGRAM TO DEMONSTRATE MILNE SIMPSON'S METHOD			
				BSc I		PLANE SECTIONS OF CONICOIDS	
							GENERATING LINES
							CONFOCAL CONICOIDS
							REDUCTION OF SECOND DEGREE EQUATIONS
						Bsc II	WRENCHES
							NULL LINES AND NULL PLANES
							STABLE , UNSTABLE AND NEUTRAL EQUILIBRIUM
						Bsc III	EIGEN VALUE PROBLEMS
							NUMERICAL INTEGRATION NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS