

महाराणा प्रताप पी.जी. कालेज, जंगल धूसड़, गोरखपुर

(Session 2025-26)

CLASS:- BCA

SEM:- 1st

FACULTY NAME :- ANIL KUMAR MAURYA

SUBJECT :- PRINCIPLES OF MATHEMATICS

Date	Lecture No.	Faculty Name	Paper Code	Unit Name.	Lecture Topic
16-Jul-25	1	Anil Kumar Maurya	BCA 102	Set and Relations	Sets and Relations:
17-Jul-25	2	Anil Kumar Maurya	BCA 102	Set and Relations	elements of a set, methods of describing a set
18-Jul-25	3	Anil Kumar Maurya	BCA 102	Set and Relations	elements of a set, methods of describing a set
19-Jul-25	4	Anil Kumar Maurya	BCA 102	Set and Relations	types of set, Venn diagram, Operations on sets, union,
21-Jul-25	5	Anil Kumar Maurya	BCA 102	Set and Relations	types of set, Venn diagram, Operations on sets, union,
22-Jul-25	CLASS TEACHING / MINOR				
23-Jul-25	6	Anil Kumar Maurya	BCA 102	Set and Relations	types of set, Venn diagram, Operations on sets, union,
24-Jul-25	7	Anil Kumar Maurya	BCA 102	Set and Relations	types of set, Venn diagram, Operations on sets, union,
25-Jul-25	8	Anil Kumar Maurya	BCA 102	Set and Relations	intersection and difference of set, Duality
26-Jul-25	9	Anil Kumar Maurya	BCA 102	Set and Relations	intersection and difference of set, Duality
28-Jul-25	10	Anil Kumar Maurya	BCA 102	Set and Relations	Partitioning of a set, relation between sets, Binary relations
29-Jul-25	MONTHLY TEST				
30-Jul-25	11	Anil Kumar Maurya	BCA 102	Set and Relations	Partitioning of a set, relation between sets, Binary relations
31-Jul-25	12	Anil Kumar Maurya	BCA 102	Set and Relations	Partitioning of a set, relation between sets, Binary relations
1-Aug-25	13	Anil Kumar Maurya	BCA 102	Set and Relations	Operations on relations, Equivalence relations, Composition of relations
2-Aug-25	14	Anil Kumar Maurya	BCA 102	Set and Relations	Operations on relations, Equivalence relations, Composition of relations
4-Aug-25	15	Anil Kumar Maurya	BCA 102	Set and Relations	Operations on relations, Equivalence relations, Composition of relations
5-Aug-25	CLASS TEACHING / MINOR				
6-Aug-25	16	Anil Kumar Maurya	BCA 102	Functions	Function or Mapping, different types of functions
7-Aug-25	17	Anil Kumar Maurya	BCA 102	Functions	Function or Mapping, different types of functions
8-Aug-25	18	Anil Kumar Maurya	BCA 102	Functions	Function or Mapping, different types of functions

11-Aug-25	19	Anil Kumar Maurya	BCA 102	Functions	Inverse functions, Composition of Functions
12-Aug-25	20	Anil Kumar Maurya	BCA 102	Functions	Inverse functions, Composition of Functions
13-Aug-25	CLASS TEACHING / MINOR				
14-Aug-25	21	Anil Kumar Maurya	BCA 102	Functions	Inverse functions, Composition of Functions
18-Aug-25	22	Anil Kumar Maurya	BCA 102	Functions	trigonometric .functions,
19-Aug-25	23	Anil Kumar Maurya	BCA 102	Functions	trigonometric .functions,
20-Aug-25	24	Anil Kumar Maurya	BCA 102	Functions	trigonometric .functions,
21-Aug-25	25	Anil Kumar Maurya	BCA 102	Functions	trigonometric .functions,
22-Aug-25	CLASS TEACHING / MINOR				
23-Aug-25	26	Anil Kumar Maurya	BCA 102	Functions	Binomial theorem and principle of mathematics induction
25-Aug-25	27	Anil Kumar Maurya	BCA 102	Functions	Binomial theorem and principle of mathematics induction
26-Aug-25	28	Anil Kumar Maurya	BCA 102	Functions	Binomial theorem and principle of mathematics induction
27-Aug-25	29	Anil Kumar Maurya	BCA 102	Functions	Binomial theorem and principle of mathematics induction
28-Aug-25	30	Anil Kumar Maurya	BCA 102	Functions	Binomial theorem and principle of mathematics induction
29-Aug-25	MONTHLY TEST				
30-Aug-25	31	Anil Kumar Maurya	BCA 102	Matrix and Determinants	Introduction to matrix, properties of matrix
1-Sep-25	32	Anil Kumar Maurya	BCA 102	Matrix and Determinants	Introduction to matrix, properties of matrix
2-Sep-25	33	Anil Kumar Maurya	BCA 102	Matrix and Determinants	evaluation of determinant
3-Sep-25	34	Anil Kumar Maurya	BCA 102	Matrix and Determinants	evaluation of determinant
4-Sep-25	35	Anil Kumar Maurya	BCA 102	Matrix and Determinants	evaluation of determinant
6-Sep-25	CLASS TEACHING / MINOR				
8-Sep-25	36	Anil Kumar Maurya	BCA 102	Matrix and Determinants	minor and cofactors and Properties of determinant
9-Sep-25	37	Anil Kumar Maurya	BCA 102	Matrix and Determinants	minor and cofactors and Properties of determinant
10-Sep-25	38	Anil Kumar Maurya	BCA 102	Matrix and Determinants	minor and cofactors and Properties of determinant
11-Sep-25	39	Anil Kumar Maurya	BCA 102	Matrix and Determinants	minor and cofactors and Properties of determinant
12-Sep-25	40	Anil Kumar Maurya	BCA 102	Matrix and Determinants	different operations on matrices
13-Sep-25	CLASS TEACHING / MINOR				
15-Sep-25	41	Anil Kumar Maurya	BCA 102	Matrix and Determinants	different operations on matrices

16-Sep-25	42	Anil Kumar Maurya	BCA 102	Matrix and Determinants	different operations on matrices
17-Sep-25	43	Anil Kumar Maurya	BCA 102	Matrix and Determinants	different operations on matrices
18-Sep-25	44	Anil Kumar Maurya	BCA 102	Progression	Introduction to Progression, Arithmetic Progression
19-Sep-25	45	Anil Kumar Maurya	BCA 102	Progression	Introduction to Progression, Arithmetic Progression
20-Sep-25	CLASS TEACHING / MINOR				
22-Sep-25	46	Anil Kumar Maurya	BCA 102	Progression	Introduction to Progression, Arithmetic Progression
23-Sep-25	47	Anil Kumar Maurya	BCA 102	Progression	Geometric Progression, Harmonic Progression
24-Sep-25	48	Anil Kumar Maurya	BCA 102	Progression	Geometric Progression, Harmonic Progression
25-Sep-25	49	Anil Kumar Maurya	BCA 102	Progression	Geometric Progression, Harmonic Progression
26-Sep-25	50	Anil Kumar Maurya	BCA 102	Progression	Geometric Progression, Harmonic Progression
27-Sep-25	MONTHLY TEST				
29-Sep-25	51	Anil Kumar Maurya	BCA 102	Progression	Geometric Progression, Harmonic Progression
30-Sep-25	52	Anil Kumar Maurya	BCA 102	Progression	Arithmetic mean, Geometric mean, Harmonic mean
3-Oct-25	53	Anil Kumar Maurya	BCA 102	Progression	Arithmetic mean, Geometric mean, Harmonic mean
4-Oct-25	54	Anil Kumar Maurya	BCA 102	Progression	Arithmetic mean, Geometric mean, Harmonic mean
6-Oct-25	55	Anil Kumar Maurya	BCA 102	Progression	Arithmetic mean, Geometric mean, Harmonic mean
7-Oct-25	CLASS TEACHING / MINOR				
8-Oct-25	56	Anil Kumar Maurya	BCA 102	Statistics	introduction to statistics, collection, and tabulation of data,
9-Oct-25	57	Anil Kumar Maurya	BCA 102	Statistics	introduction to statistics, collection, and tabulation of data,
10-Oct-25	58	Anil Kumar Maurya	BCA 102	Statistics	introduction to statistics, collection, and tabulation of data,
11-Oct-25	59	Anil Kumar Maurya	BCA 102	Statistics	introduction to statistics, collection, and tabulation of data,
13-Oct-25	MID TERM EXAM SCHEDULE				
14-Oct-25					
15-Oct-25					
16-Oct-25					
17-Oct-25					
18-Oct-25					

21-Oct-25	60	Anil Kumar Maurya	BCA 102	Statistics	different types of charts and graphs,
24-Oct-25	61	Anil Kumar Maurya	BCA 102	Statistics	different types of charts and graphs,
25-Oct-25	62	Anil Kumar Maurya	BCA 102	Statistics	different types of charts and graphs,
27-Oct-25	63	Anil Kumar Maurya	BCA 102	Statistics	different types of charts and graphs,
28-Oct-25	64	Anil Kumar Maurya	BCA 102	Statistics	different types of charts and graphs,
29-Oct-25	CLASS TEACHING / MINOR				
30-Oct-25	65	Anil Kumar Maurya	BCA 102	Statistics	different types of charts and graphs,
31-Oct-25	66	Anil Kumar Maurya	BCA 102	Statistics	measure of central tendency, mean, median and mode
1-Nov-25	67	Anil Kumar Maurya	BCA 102	Statistics	measure of central tendency, mean, median and mode
3-Nov-25	68	Anil Kumar Maurya	BCA 102	Statistics	measure of central tendency, mean, median and mode
4-Nov-25	69	Anil Kumar Maurya	BCA 102	Statistics	measure of central tendency, mean, median and mode
6-Nov-25	CLASS TEACHING / MINOR				
7-Nov-25	70	Anil Kumar Maurya	BCA 102	Rivision	Rivision
8-Nov-25	71	Anil Kumar Maurya	BCA 102	Rivision	Rivision
10-Nov-25	72	Anil Kumar Maurya	BCA 102	Rivision	Rivision
11-Nov-25	73	Anil Kumar Maurya	BCA 102	Rivision	Rivision
12-Nov-25	74	Anil Kumar Maurya	BCA 102	Rivision	Rivision
13-Nov-25	CLASS TEACHING / MINOR				
14-Nov-25	75	Anil Kumar Maurya	BCA 102	Rivision	Rivision
15-Nov-25	76	Anil Kumar Maurya	BCA 102	Rivision	Rivision