

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

(Session 2025-26)

CLASS:- BCA

SEM:- 4th

FACULTY NAME :- ANIL KUMAR MAURYA

SUBJECT :- COMPUTER ORIENTED MATHEMATICS

Date	Lecture No.	Faculty Name	Paper No.	Unit Name.	Lecture Topic
16-Jul-25	1	Anil Kumar Maurya	BCA 302	Calculus	Differentiation, Derivative of a. Function of One Variable
17-Jul-25	2	Anil Kumar Maurya	BCA 302	Calculus	Differentiation, Derivative of a. Function of One Variable
18-Jul-25	3	Anil Kumar Maurya	BCA 302	Calculus	Differentiation, Derivative of a. Function of One Variable
19-Jul-25	4	Anil Kumar Maurya	BCA 302	Calculus	Power Function, Sum and Product of Two. Functions
21-Jul-25	5	Anil Kumar Maurya	BCA 302	Calculus	Power Function, Sum and Product of Two. Functions
22-Jul-25	CLASS TEACHING / MINOR				
23-Jul-25	6	Anil Kumar Maurya	BCA 302	Calculus	Function of a Function. Differentiation by method of Substitution
24-Jul-25	7	Anil Kumar Maurya	BCA 302	Calculus	Function of a Function. Differentiation by method of Substitution
25-Jul-25	8	Anil Kumar Maurya	BCA 302	Calculus	Function of a Function. Differentiation by method of Substitution
26-Jul-25	9	Anil Kumar Maurya	BCA 302	Calculus	Maxima and minima
28-Jul-25	10	Anil Kumar Maurya	BCA 302	Calculus	Maxima and minima
29-Jul-25	MONTHLY TEST				
30-Jul-25	11	Anil Kumar Maurya	BCA 302	Calculus	Indefinite Integral, Integration by substitution,
31-Jul-25	12	Anil Kumar Maurya	BCA 302	Calculus	Indefinite Integral, Integration by substitution,
1-Aug-25	13	Anil Kumar Maurya	BCA 302	Calculus	integration by parts. Integration by Partial fractions,definite integral
2-Aug-25	14	Anil Kumar Maurya	BCA 302	Calculus	integration by parts. Integration by Partial fractions,definite integral
4-Aug-25	15	Anil Kumar Maurya	BCA 302	Calculus	integration by parts. Integration by Partial fractions,definite integral
5-Aug-25	CLASS TEACHING / MINOR				
6-Aug-25	16	Anil Kumar Maurya	BCA 302	Calculus	integration by parts. Integration by Partial fractions,definite integral

7-Aug-25	17	Anil Kumar Maurya	BCA 302	Calculus	integration by parts. Integration by Partial fractions,definite integral
8-Aug-25	18	Anil Kumar Maurya	BCA 302	Calculus	integration by parts. Integration by Partial fractions,definite integral
11-Aug-25	19	Anil Kumar Maurya	BCA 302	Numerical Methods	significant digits, errors, error propagation
12-Aug-25	20	Anil Kumar Maurya	BCA 302	Numerical Methods	roots of non linear equations, bisection methods,
13-Aug-25	CLASS TEACHING / MINOR				
14-Aug-25	21	Anil Kumar Maurya	BCA 302	Numerical Methods	Introduction, Process of Numerical computing,
18-Aug-25	22	Anil Kumar Maurya	BCA 302	Numerical Methods	Introduction, Process of Numerical computing,
19-Aug-25	23	Anil Kumar Maurya	BCA 302	Numerical Methods	significant digits, errors, error propagation
20-Aug-25	24	Anil Kumar Maurya	BCA 302	Numerical Methods	significant digits, errors, error propagation
21-Aug-25	25	Anil Kumar Maurya	BCA 302	Numerical Methods	roots of non linear equations, bisection methods,
22-Aug-25	CLASS TEACHING / MINOR				
23-Aug-25	26	Anil Kumar Maurya	BCA 302	Numerical Methods	roots of non linear equations, bisection methods,
25-Aug-25	27	Anil Kumar Maurya	BCA 302	Numerical Methods	false position methods,
26-Aug-25	28	Anil Kumar Maurya	BCA 302	Numerical Methods	false position methods,
27-Aug-25	29	Anil Kumar Maurya	BCA 302	Numerical Methods	Raphson method, Secant method.
28-Aug-25	30	Anil Kumar Maurya	BCA 302	Numerical Methods	Raphson method, Secant method.
29-Aug-25	MONTHLY TEST				
30-Aug-25	31	Anil Kumar Maurya	BCA 302	Numerical Solution of Linear Equation	Matrix and Linear equation,
1-Sep-25	32	Anil Kumar Maurya	BCA 302	Numerical Solution of Linear Equation	Matrix and Linear equation,
2-Sep-25	33	Anil Kumar Maurya	BCA 302	Numerical Solution of Linear Equation	pivotal condensation method
3-Sep-25	34	Anil Kumar Maurya	BCA 302	Numerical Solution of Linear Equation	pivotal condensation method
4-Sep-25	35	Anil Kumar Maurya	BCA 302	Numerical Solution of Linear Equation	pivotal condensation method
6-Sep-25	CLASS TEACHING / MINOR				
8-Sep-25	36	Anil Kumar Maurya	BCA 302	Numerical Solution of Linear Equation	system of linear equations, Gauss elimination method,
9-Sep-25	37	Anil Kumar Maurya	BCA 302	Numerical Solution of Linear Equation	system of linear equations, Gauss elimination method,
10-Sep-25	38	Anil Kumar Maurya	BCA 302	Numerical Solution of Linear Equation	Gauss Jordan Method,
11-Sep-25	39	Anil Kumar Maurya	BCA 302	Numerical Solution of Linear Equation	Gauss Jordan Method,

12-Sep-25	40	Anil Kumar Maurya	BCA 302	Numerical Solution of Linear Equation	Gauss Jordan Method,
13-Sep-25	CLASS TEACHING / MINOR				
15-Sep-25	41	Anil Kumar Maurya	BCA 302	Numerical Solution of Linear Equation	Gauss Seidel iteration method
16-Sep-25	42	Anil Kumar Maurya	BCA 302	Numerical Solution of Linear Equation	Gauss Seidel iteration method
17-Sep-25	43	Anil Kumar Maurya	BCA 302	Numerical Solution of Linear Equation	Gauss Seidel iteration method
18-Sep-25	44	Anil Kumar Maurya	BCA 302	Numerical Differentiation and integration	Linear Interpolation, Lagrange Interpolation polynomial
19-Sep-25	45	Anil Kumar Maurya	BCA 302	Numerical Differentiation and integration	Linear Interpolation, Lagrange Interpolation polynomial
20-Sep-25	CLASS TEACHING / MINOR				
22-Sep-25	46	Anil Kumar Maurya	BCA 302	Numerical Differentiation and integration	Newton Interpolation Polynomial
23-Sep-25	47	Anil Kumar Maurya	BCA 302	cal Differentiation and inte	Newton Interpolation Polynomial
24-Sep-25	48	Anil Kumar Maurya	BCA 302	cal Differentiation and inte	Differentiating Continuous functions. Differentiating tabulated functions
25-Sep-25	49	Anil Kumar Maurya	BCA 302	cal Differentiation and inte	Differentiating Continuous functions. Differentiating tabulated functions
26-Sep-25	50	Anil Kumar Maurya	BCA 302	cal Differentiation and inte	Differentiating Continuous functions. Differentiating tabulated functions
27-Sep-25	MONTHLY TEST				
29-Sep-25	51	Anil Kumar Maurya	BCA 302	cal Differentiation and inte	Newton- cotes methods of integration
30-Sep-25	52	Anil Kumar Maurya	BCA 302	cal Differentiation and inte	Newton- cotes methods of integration
3-Oct-25	53	Anil Kumar Maurya	BCA 302	cal Differentiation and inte	Trapezoidal rule, Simpson's 1/3 rule, and Simpson's 3/8 rule
4-Oct-25	54	Anil Kumar Maurya	BCA 302	cal Differentiation and inte	Trapezoidal rule, Simpson's 1/3 rule, and Simpson's 3/8 rule
6-Oct-25	55	Anil Kumar Maurya	BCA 302	Numerical Differentiation and integration	Trapezoidal rule, Simpson's 1/3 rule, and Simpson's 3/8 rule
7-Oct-25	CLASS TEACHING / MINOR				
8-Oct-25	56	Anil Kumar Maurya	BCA 302	Statistics	Measures of central tendency
9-Oct-25	57	Anil Kumar Maurya	BCA 302	Statistics	Preparing frequency distribution table
10-Oct-25	58	Anil Kumar Maurya	BCA 302	Statistics	arithmetic mean. Geometric mean, harmonic mean

11-Oct-25	59	Anil Kumar Maurya	BCA 302	Statistics	arithmetic mean. Geometric mean, harmonic mean
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 302	Statistics	median and mode
24-Oct-25	61	Anil Kumar Maurya	BCA 302	Statistics	median and mode
25-Oct-25	62	Anil Kumar Maurya	BCA 302	Statistics	median and mode
27-Oct-25	63	Anil Kumar Maurya	BCA 302	Statistics	Measures of dispersion: Range, mean deviation
28-Oct-25	64	Anil Kumar Maurya	BCA 302	Statistics	Measures of dispersion: Range, mean deviation
29-Oct-25	CLASS TEACHING / MINOR				
30-Oct-25	65	Anil Kumar Maurya	BCA 302	Statistics	Standard deviation, co-efficient of variation
31-Oct-25	66	Anil Kumar Maurya	BCA 302	Statistics	Standard deviation, co-efficient of variation
1-Nov-25	67	Anil Kumar Maurya	BCA 302	Statistics	Standard deviation, co-efficient of variation
3-Nov-25	68	Anil Kumar Maurya	BCA 302	Statistics	moments, Skewness and Kurtosis
4-Nov-25	69	Anil Kumar Maurya	BCA 302	Statistics	moments, Skewness and Kurtosis
6-Nov-25	CLASS TEACHING / MINOR				
7-Nov-25	70	Anil Kumar Maurya	BCA 302	Rivision	Rivision
8-Nov-25	71	Anil Kumar Maurya	BCA 302	Rivision	Rivision
10-Nov-25	72	Anil Kumar Maurya	BCA 302	Rivision	Rivision
11-Nov-25	73	Anil Kumar Maurya	BCA 302	Rivision	Rivision
12-Nov-25	74	Anil Kumar Maurya	BCA 302	Rivision	Rivision
13-Nov-25	CLASS TEACHING / MINOR				
14-Nov-25	75	Anil Kumar Maurya	BCA 302	Rivision	Rivision
15-Nov-25	76	Anil Kumar Maurya	BCA 302	Rivision	Rivision