



Aggarwal College Ballabgarh

LESSON PLAN

17 WEEKS (JAN-APRIL)-2025

Name of Faculty: Ms. Kanchan Malik

Designation/ Department: Assistant Prof. , Department of Mathematics

CLASS: M. Sc. physics		SEMESTER: IV	SECTION: A
SUBJECT: Computational Physics – II (unit-3,4)			
Week			
1	7-1-2025	Introduction of Matlab	
	8-1-2025	-----	
	9-1-2025	-----	
	10-1-2025	-----	
	11-1-2025	-----	
	12-1-2025	S. U. N. D. A. Y.	
2	13-1-2025	working with arrays	
	14-1-2025	creating and printing plots	
	15-1-2025	-----	
	16-1-2025	-----	
	17-1-2025	-----	
	18-1-2025	-----	
	19-1-2025	S. U. N. D. A. Y.	
3	20-1-2025	Interacting Computations: Matrices and Vectors	
	21-1-2025	Examples	
	22-1-2025	-----	
	23-1-2025	-----	

	24-1-2025	-----
	25-1-2025	-----
	26-1-2025	REPUBLIC DAY /S. U. N. D. A. Y.
4	27-1-2025	Matrices and Array Operations
	28-1-2025	Built in functions
	29-1-2025	-----
	30-1-2025	-----
	31-1-2025	-----
	1-2-2025	-----
	2-2-2025	S. U. N. D. A. Y/BASANT PANCHAMI
5	3-2-2025	Plotting simple graphs Programming in MATLAB
	4-2-2025	Script files, function files, Compiled files
	5-2-2025	-----
	6-2-2025	-----
	7-2-2025	-----
	8-2-2025	-----
	9-2-2025	S. U. N. D. A. Y
6	10-2-2025	p-code, variables, loops, branches
	11-2-2025	Control flow, Input/ Output, structures, cells
	12-2-2025	HOLIDAY: GURU RAVIDAS JAYANTI
	13-2-2025	-----
	14-2-2025	-----
	15-2-2025	-----
	16-2-2025	S. U. N. D. A. Y.

7	17-2-2025	Linear Algebra; solving a linear system
	18-2-2025	Gaussian elimination
	19-2-2025	-----
	20-2-2025	-----
	21-2-2025	-----
	22-2-2025	-----
	23-2-2025	S. U. N. D. A. Y.
8	24-2-2025	Finding Eigenvalues and Eigen vectors
	25-2-2025	Matrix factorization
	26-2-2025	HOLIDAY: MAHA SHIVRATRI
	27-2-2025	-----
	28-2-2025	-----
	1-3-2025	-----
	2-3-2025	S. U. N. D. A. Y.
9	3-3-2025	Curve fitting and Interpolation
	4-3-2025	Polynomial curve fitting
	5-3-2025	-----
	6-3-2025	-----
	7-3-2025	-----
	8-3-2025	-----
	9-3-2025	S. U. N. D. A. Y.
10	10-3-2025	H.O.L.I-- B.R.E.A.K

	11-3-2025	H.O.L.I-- B.R.E.A.K
	12-3-2025	H.O.L.I-- B.R.E.A.K
	13-3-2025	H.O.L.I-- B.R.E.A.K
	14-3-2025	H.O.L.I-- B.R.E.A.K
	15-3-2025	H.O.L.I-- B.R.E.A.K
	16-03-2025	S. U. N. D. A. Y.
11	17-3-2025	least square curve fitting
	18-3-2025	Interpolation
	19-3-2025	-----
	20-3-2025	-----
	21-3-2025	-----
	22-3-2025	-----
	23-3-2025	S. U. N. D. A. Y.
12	24-3-2025	Data analysis and statistics
	25-3-2025	Numerical integration
	26-3-2025	-----
	27-3-2025	-----
	28-3-2025	-----
	29-3-2025	-----
	30-3-2025	S. U. N. D. A. Y.
13	31-3-2025	HOLIDAY: ID-UL-FITR
	1-4-2025	Double integration
	2-4-2025	-----
	3-4-2025	-----

	4-4-2025	-----
	5-4-2025	-----
	6-4-2025	S. U. N. D. A. Y.
14	7-4-2025	Ordinary differential equation
	8-4-2025	first order linear ODE
	9-4-2025	-----
	10-4-2025	HOLIDAY: MAHAVIR JAYANTI
	11-4-2025	-----
	12-4-2025	-----
	13-4-2025	S. U. N. D. A. Y.
15	14-4-2025	HOLIDAY: AMBEDKAR JAYANTI
	15-4-2025	Second order nonlinear ODE,
	16-4-2025	-----
	17-4-2025	-----
	18-4-2025	-----
	19-4-2025	-----
	20-4-2025	S. U. N. D. A. Y.
16	21-4-2025	Tolerance
	22-4-2025	ODE suite
	23-4-2025	-----
	24-4-2025	-----
	25-4-2025	-----
	26-4-2025	-----

	27-4-2025	S. U. N. D. A. Y.
17	28-4-2025	Revision
	29-4-2025	Previous year question paper discussion
	30-4-2025	HOLIDAY: AKSHAY TRITYA
	01-05-2025	-----
	02-05-2025	-----
	03-05-2025	-----
	04-05-2025	S. U. N. D. A. Y.

Signature