



Aggarwal College Ballabgarh

LESSON PLAN

17 WEEKS (JAN-APRIL)-2025

Name of Faculty: Ramkishan

Position/ Department: Assistant Professor in mathematics

CLASS: B.sc (NM & CS)	SEMESTER: IV	SECTION: NIL
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SUBJECT: Mathematical Programming in C and Numerical Methods

Week		
1	7-1-2025	Programmer's model of a computer,
	8-1-2025	Algorithms, Flow charts
	9-1-2025	NO LECTURE
	10-1-2025	NO LECTURE
	11-1-2025	NO LECTURE
	12-1-2025	S. U. N. D. A. Y.
2	13-1-2025	Algorithms, Flow charts
	14-1-2025	Input /Output functions
	15-1-2025	Decisions control structure
	16-1-2025	NO LECTURE
	17-1-2025	NO LECTURE
	18-1-2025	NO LECTURE
	19-1-2025	S. U. N. D. A. Y.
3	20-1-2025	Decision statements
	21-1-2025	Logical and conditional statements
	22-1-2025	Implementation of Loops

	23-1-2025	NO LECTURE
	24-1-2025	NO LECTURE
	25-1-2025	NO LECTURE
	26-1-2025	REPUBLIC DAY /S. U. N. D. A. Y.
4	27-1-2025	Switch Statement & Case control structures
	28-1-2025	Functions,
	29-1-2025	Preprocessors and Arrays
	30-1-2025	NO LECTURE
	31-1-2025	NO LECTURE
	1-2-2025	NO LECTURE
	2-2-2025	S. U. N. D. A. Y/BASANT PANCHAMI
5	3-2-2025	Strings: Character Data Type
	4-2-2025	Standard String handling Functions
	5-2-2025	Arithmetic Operations on Characters
	6-2-2025	NO LECTURE
	7-2-2025	NO LECTURE
	8-2-2025	NO LECTURE
	9-2-2025	S. U. N. D. A. Y
6	10-2-2025	Structures: Definition, using Structures
	11-2-2025	Use of Structures in Arrays and Arrays in Structures
	12-2-2025	HOLIDAY: GURU RAVIDAS JAYANTI
	13-2-2025	NO LECTURE
	14-2-2025	NO LECTURE
	15-2-2025	NO LECTURE

	16-2-2025	S. U. N. D. A. Y.
7	17-2-2025	Pointers: Pointers, Data type
	18-2-2025	Pointers and Arrays
	19-2-2025	Pointers and Functions
	20-2-2025	NO LECTURE
	21-2-2025	NO LECTURE
	22-2-2025	NO LECTURE
	23-2-2025	S. U. N. D. A. Y.
8	24-2-2025	Solution of Algebraic and Transcendental equations
	25-2-2025	Continued
	26-2-2025	HOLIDAY: MAHA SHIVRATRI
	27-2-2025	NO LECTURE
	28-2-2025	NO LECTURE
	1-3-2025	NO LECTURE
	2-3-2025	S. U. N. D. A. Y.
9	3-3-2025	Bisection method
	4-3-2025	Regula-Falsi method
	5-3-2025	Secant method
	6-3-2025	NO LECTURE
	7-3-2025	NO LECTURE
	8-3-2025	NO LECTURE
	9-3-2025	S. U. N. D. A. Y.
10	10-3-2025	Newton-Raphson's method
	11-3-2025	Continued

	12-3-2025	Continued
	13-3-2025	NO LECTURE
	14-3-2025	NO LECTURE
	15-3-2025	NO LECTURE
	16-03-2025	S. U. N. D. A. Y.
11	17-3-2025	HOLI BREAK
	18-3-2025	HOLI BREAK
	19-3-2025	HOLI BREAK
	20-3-2025	HOLI BREAK
	21-3-2025	HOLI BREAK
	22-3-2025	HOLI BREAK
	23-3-2025	S. U. N. D. A. Y.
12	24-3-2025	Newton's iterative method for finding pth root of a number
	25-3-2025	Order of convergence of above methods.
	26-3-2025	Continued
	27-3-2025	NO LECTURE
	28-3-2025	NO LECTURE
	29-3-2025	NO LECTURE
	30-3-2025	S. U. N. D. A. Y.
13	31-3-2025	HOLIDAY: ID-UL-FITR
	1-4-2025	Simultaneous linear algebraic equations
	2-4-2025	Gauss-elimination method
	3-4-2025	NO LECTURE
	4-4-2025	NO LECTURE

	5-4-2025	NO LECTURE
	6-4-2025	S. U. N. D. A. Y.
14	7-4-2025	Gauss-Jordan method
	8-4-2025	Triangularization method (LU decomposition method).
	9-4-2025	Continued
	10-4-2025	HOLIDAY: MAHAVIR JAYANTI
	11-4-2025	NO LECTURE
	12-4-2025	NO LECTURE
	13-4-2025	S. U. N. D. A. Y.
15	14-4-2025	HOLIDAY: AMBEDKAR JAYANTI
	15-4-2025	Revision
	16-4-2025	Revision
	17-4-2025	NO LECTURE
	18-4-2025	NO LECTURE
	19-4-2025	TEST
	20-4-2025	S. U. N. D. A. Y.
16	21-4-2025	Crout's method
	22-4-2025	Iterative method, Jacobi's method,
	23-4-2025	Cholesky Decomposition method
	24-4-2025	NO LECTURE
	25-4-2025	NO LECTURE
	26-4-2025	NO LECTURE
	27-4-2025	S. U. N. D. A. Y.
	28-4-2025	Gauss-Seidal's method,

17	29-4-2025	Relaxation method
	30-4-2025	HOLIDAY: AKSHAY TRITYA
	01-05-2025	NO LECTURE
	02-05-2025	NO LECTURE
	03-05-2025	NO LECTURE
	04-05-2025	S. U. N. D. A. Y.

Signature