



# Aggarwal College Ballabgarh

## LESSON PLAN

17 WEEKS (JAN-APRIL)-2025

Name of Faculty: Dr. Geeta Tripathi  
 Qualification/ Department: Assistant Professor/Mathematics

CLASS: B.Sc Maths (Hons.)	SEMESTER: 4 <sup>th</sup>	SECTION:
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SUBJECT: Programming in C and Numerical Methods

Week		
1	7-1-2025	Introduction to the Subject
	8-1-2025	Programmer's model of a computer
	9-1-2025	NO CLASS
	10-1-2025	NO CLASS
	11-1-2025	NO CLASS
	12-1-2025	S. U. N. D. A. Y.
2	13-1-2025	Definition of Algorithms and Flow charts and Data types
	14-1-2025	Operators and expressions
	15-1-2025	Input / outputs functions
	16-1-2025	NO CLASS
	17-1-2025	NO CLASS
	18-1-2025	NO CLASS
	19-1-2025	S. U. N. D. A. Y.
3	20-1-2025	Doubt Class
	21-1-2025	Test of Unit-I

	22-1-2025	Decisions control structure: Decision statements
	23-1-2025	NO CLASS
	24-1-2025	NO CLASS
	25-1-2025	NO CLASS
	26-1-2025	<b>REPUBLIC DAY /S. U. N. D. A. Y.</b>
4	27-1-2025	Logical and conditional statements
	28-1-2025	Implementation of Loops
	29-1-2025	Switch Statement & Case control structure
	30-1-2025	NO CLASS
	31-1-2025	NO CLASS
	1-2-2025	NO CLASS
	2-2-2025	<b>S. U. N. D. A. Y/BASANT PANCHAMI</b>
5	3-2-2025	Functions, Preprocessors and Arrays
	4-2-2025	Revision of the topics done till now
	5-2-2025	Assignment to be given on based on Unit-I and Unit-II
	6-2-2025	NO CLASS
	7-2-2025	NO CLASS
	8-2-2025	NO CLASS
	9-2-2025	<b>S. U. N. D. A. Y</b>
6	10-2-2025	Test of Unit-II
	11-2-2025	Strings: Character Data Type, Standard String handling Functions
	12-2-2025	<b>HOLIDAY: GURU RAVIDAS JAYANTI</b>
	13-2-2025	NO CLASS
	14-2-2025	NO CLASS

	<b>15-2-2025</b>	NO CLASS
	<b>16-2-2025</b>	<b>S. U. N. D. A. Y.</b>
<b>7</b>	<b>17-2-2025</b>	Arithmetic Operations on Characters
	<b>18-2-2025</b>	Structures: Definition, using Structures, use of Structures in Arrays and Arrays in Structures
	<b>19-2-2025</b>	Pointers: Pointers Data type, Pointers and Arrays, Pointers and Functions
	<b>20-2-2025</b>	NO CLASS
	<b>21-2-2025</b>	NO CLASS
	<b>22-2-2025</b>	NO CLASS
	<b>23-2-2025</b>	<b>S. U. N. D. A. Y.</b>
<b>8</b>	<b>24-2-2025</b>	Revision of topics
	<b>25-2-2025</b>	About Solution of Algebraic and Transcendental equations
	<b>26-2-2025</b>	<b>HOLIDAY: MAHA SHIVRATRI</b>
	<b>27-2-2025</b>	NO CLASS
	<b>28-2-2025</b>	NO CLASS
	<b>1-3-2025</b>	NO CLASS
	<b>2-3-2025</b>	<b>S. U. N. D. A. Y.</b>
<b>9</b>	<b>3-3-2025</b>	Introduction to Bisection method
	<b>4-3-2025</b>	Questions based on Bisection Method to be discussed
	<b>5-3-2025</b>	Questions based on Bisection Method to be discussed and Assignment-I to be given based on Unit-I and Unit-II
	<b>6-3-2025</b>	NO CLASS
	<b>7-3-2025</b>	NO CLASS

	8-3-2025	NO CLASS
	9-3-2025	S. U. N. D. A. Y.
10	10-3-2025	HOLI BREAK
	11-3-2025	HOLI BREAK
	12-3-2025	HOLI BREAK
	13-3-2025	HOLI BREAK
	14-3-2025	HOLI BREAK
	15-3-2025	HOLI BREAK
	16-03-2025	S. U. N. D. A. Y.
11	17-3-2025	Regula-Falsi method
	18-3-2025	Questions to be discussed based on Regula-Falsi Method
	19-3-2025	Questions to be discussed based on Regula-Falsi Method
	20-3-2025	NO CLASS
	21-3-2025	NO CLASS
	22-3-2025	NO CLASS
	23-3-2025	S. U. N. D. A. Y.
12	24-3-2025	Secant method
	25-3-2025	Questions based on Secant Method to be discussed
	26-3-2025	Questions based on Secant Method to be discussed
	27-3-2025	NO CLASS
	28-3-2025	NO CLASS
	29-3-2025	NO CLASS
	30-3-2025	S. U. N. D. A. Y.

13	31-3-2025	<b>HOLIDAY: ID-UL-FITR</b>
	1-4-2025	Newton-Raphson's method
	2-4-2025	Questions based on Newton-Raphson's method
	3-4-2025	NO CLASS
	4-4-2025	NO CLASS
	5-4-2025	NO CLASS
	6-4-2025	<b>S. U. N. D. A. Y.</b>
14	7-4-2025	Newton's iterative method for finding pth root of a number
	8-4-2025	Questions based on Newton's iterative method for finding pth root of a number to be discussed
	9-4-2025	Order of convergence of above methods
	10-4-2025	<b>HOLIDAY: MAHAVIR JAYANTI</b>
	11-4-2025	NO CLASS
	12-4-2025	NO CLASS
	13-4-2025	<b>S. U. N. D. A. Y.</b>
15	14-4-2025	<b>HOLIDAY: AMBEDKAR JAYANTI</b>
	15-4-2025	Test of Unit-III
	16-4-2025	Simultaneous linear algebraic equations: Gauss-elimination method, Gauss-Jordan Method
	17-4-2025	NO CLASS
	18-4-2025	NO CLASS
	19-4-2025	NO CLASS
	20-4-2025	<b>S. U. N. D. A. Y.</b>
16	21-4-2025	Questions to be discussed on : Gauss-elimination method, Gauss-Jordan

	<b>22-4-2025</b>	Triangularization method (LU decomposition method). Crout's method, Cholesky Decomposition method
	<b>23-4-2025</b>	Questions to be discussed on topic Triangularization method (LU decomposition method). Crout's method, Cholesky Decomposition method
	<b>24-4-2025</b>	NO CLASS
	<b>25-4-2025</b>	NO CLASS
	<b>26-4-2025</b>	NO CLASS
	<b>27-4-2025</b>	<b>S. U. N. D. A. Y.</b>
17	<b>28-4-2025</b>	Decomposition method. Iterative method, Jacobi's method, Gauss-Seidal's method, Relaxation method
	<b>29-4-2025</b>	Questions to be discussed on topic Decomposition method. Iterative method, Jacobi's method, Gauss-Seidal's method, Relaxation method
	<b>30-4-2025</b>	<b>HOLIDAY: AKSHAY TRITYA</b>
	<b>01-05-2025</b>	NO CLASS
	<b>02-05-2025</b>	NO CLASS
	<b>03-05-2025</b>	NO CLASS
	<b>04-05-2025</b>	<b>S. U. N. D. A. Y.</b>

Geeta Tripathi

Signature