

Government Polytechnic, Dhangar (Fatehabad)

LESSON PLAN (ODD SEMESTER)

Discipline: Computer Engg.

Semester: 3rd

Subject: Programming in 'C'

Lesson Plan Duration: 17 Weeks

Work Load(Lecture/Practical)per week(In hours): 03-Lectures/ 02-Practicals Of 3 Hours

Each

WEEK	THEORY		PRACTICAL	
	Lecture Day	Topic(including assignment/Test)	Practical Day	Topic
1 st	1 st	Steps in development of a program	1 st	Programming exercises on executing and editing a C Program.
	2 nd	Flow charts		
	3 rd	Algorithm development	2 nd	Revision of Practical Covered in last Hour & File checking
2 nd	4 th	Program Debugging	3 rd	Programming exercises on defining variables and assigning values to variables
	5 th	I/O Statements, Assign statements		
	6 th	Constants and Variables	4 th	Revision of Practical Covered in last Hour & File checking
3 rd	7 th	Data Types	5 th	Programming exercises on arithmetic and relational Operators
	8 th	Operators and Expressions		
	9 th	Unformatted and Formatted IOS	6 th	Revision of Practical Covered in last Hour & File checking
4 th	10 th	Data Type Casting	7 th	Programming exercises on arithmetic expressions and their Evaluation
	11 th	Revision of Unit 1 & Unit 2		
	12 th	Class Test	8 th	Revision of Practical Covered in last Hour & File checking
5 th	13 th	Assignment:- Unit 1 and 2	9 th	Programming exercises on formatting input/output using printf and scanf and their return type values
	14 th	Introduction to Control Structure		
	15 th	Decision making with IF Statement	10 th	Revision of Practical Covered in last Hour & File checking
6 th	16 th	IF- Else and Nested IF	11 th	Programming exercises using if statement
	17 th	While and Do While		
	18 th	For Loop	12 th	Revision of Practical Covered in last Hour & File checking
7 th	19 th	Break and Continue	13 th	Programming exercises using if – Else
	20 th	Goto and Switch Statement		
	21 st	Revision of Unit 3	14 th	Revision of Practical Covered in last Hour & File checking
8 th	22 nd	Introduction to Pointers	15 th	Programming exercises on switch statement
	23 rd	Address Operator and Pointers		
	24 th	Declaring and Initializing Pointers	16 th	Revision of Practical Covered in last Hour & File checking
9 th	25 th	Single Pointers	17 th	Programming exercises on do – while, statement
	26 th	Revision of Unit 4		

	27 th	Introduction to Function	18 th	Revision of Practical Covered in last Hour & File checking
10 th	28 th	Global and Local Variables	19 th	Programming exercises on for – statement
	29 th	Function Declaration		
	30 th	Standard Functions	20 th	Revision of Practical Covered in last Hour & File checking
11 th	31 st	Parameters and Parameter Passing	21 st	Simple programs using pointers
	32 nd	Call by Value/Reference		
	33 rd	Revision of Unit 3, Unit 4 & Unit 5	22 nd	Revision of Practical Covered in last Hour & File checking
12 th	34 th	Class Test	23 rd	Programs on one-dimensional array
	35 th	Assignment Unit 3, Unit 4 & Unit 5		
	36 th	Introduction to Array	24 th	Revision of Practical Covered in last Hour & File checking
13 th	37 th	Array Declaration & Length of Array	25 th	Programs on two-dimensional array
	38 th	Single and Multidimensional Array		
	39 th	Array of Characters/ Introduction of String	26 th	Revision of Practical Covered in last Hour & File checking
14 th	40 th	String Declaration and Definition	27 th	(i) Programs for putting two Strings together. (ii) Programs for comparing two strings
	41 st	String Related Functions i.e. Strln, Strcpy, Strcmp		
	42 nd	Passing an array to Function	28 th	Revision of Practical Covered in last Hour & File checking
15 th	43 rd	Pointers to an array and String	29 th	Simple programs using functions
	44 th	Revision of Unit 6		
	45 th	Declaration of Structures	30 th	Revision of Practical Covered in last Hour & File checking
16 th	46 th	Accessing Structure Members	31 st	Simple programs using structures
	47 th	Structure Initialization, Pointer to a Structure		
	48 th	Unions	32 nd	Revision of Practical Covered in last Hour & File checking
17 th	49 th	Revision of Unit 6 & Unit 7	33 rd	Simple programs using union
	50 th	Class Test		
	51 st	Assignment:- Unit 6 & Unit 7	34 th	Revision of Practical Covered in last Hour & File checking

Signature of the Faculty