

2022

Introduction to programming

Full Marks: 100

Time: Three hours

Answer any Five questions.

1.	i.	Explain the different types of loops in C with syntax.	10
	ii.	Write a program to initialize one dimensional array of size 8 and display the sum and average of array elements	10
2.	i.	Discuss various types of operators used in C.	10
	ii.	Discuss the basic structure of computer system.	10
3	i.	What is the difference between while and do while loop?	5
	ii.	What is the difference between fundamental and derived datatype?	5
	iii.	What is the use of printf() and scanf() functions? Also explain format specifiers?	5
	iv.	Define array. Declare an array of size 10 of float datatype.	5
4.	i.	Write a program to find the largest and smallest among three entered numbers and also display whether the identified largest/smallest number is even or odd.	15
	ii.	Write a program in C to display the multiplication table of a given integer.	5
5.	i.	Write a program to input two integer numbers and display the sum of even numbers between these two input numbers.	10
	ii.	Write a C program to sort the elements of an array.	10
6.		Write short note on any four	4*5=20
	i.	Low level language and high level language	
	ii.	Compiler and interpreter	
	iii.	++ and --	
	iv.	RAM & ROM	
	v.	Header files	
