Roll No. _____

END SEMESTER EXAMINATION

SEMESTER- I / II (OLD COURSE)

COURSE CODE : G-206A **DURATION :2 (TWO)HRS**

COURSE TITLE : INTRODUCTION TO COMPUTER PROGRAMMING **MAXIMUM MARKS : 50**

PASS MARKS : 35 %

SESSION : JULY-DEC. 2021

NOTE:
1. All the questions in PART-I are compulsory
2. Attempt any 4 (four) questions from PART-II
3. Mark for each question is shown against it.
4. Assume suitable logical data wherever necessary.

1	**(a)**	With a neat diagram, explain the main parts of computer system.	**(5)**
	(b)	Explain all the looping statements in C program	**(5)**
2	**(a)**	Explain the type of programming languages.	**(6)**
	(b)	Define an array. Write how to process an array in C program with an example	**(1+3)**
3	**(a)**	Define flow chart.	**(2)**
	(b)	Write an algorithm to find area of a circle with radius 'r'	**(3)**
	(c)	Write a C program to find the greatest among three numbers.	**(5)**
4	**(a)**	What is flow charts ? Explain all the symbols used in the flowchart	**(1+3)**
	(b)	Briefly describe the operators of C program.	**(6)**
5	**(a)**	Explain below use of the statement function	**(5x1)**
		(i) printf (ii) scanf (iii) getchar (iv) putchar (v)gets	
	(b)	What is the use of user defined function in C program. with example explain the type of function calling.	**(1+4)**
6	**(a)**	Write a C program to calculate the area of a triangle.	**(4)**
	(b)	Write any correct c program using branching statements if-else statement.	**(4)**
	(c)	What is the need of compiler in the program.	**(2)**
7	**(a)**	What is user-defined function? Write a program to find the area of a circle using function.	**(6)**
	(b)	What are the basic data types present in C language. Write the string constant/format specifier for each of the data types.	**(4)**
8.	**(a)**	What are the different loop statements present in C. Write the syntax for each of the loop statements.	**(4)**
	(b)	What are the formatted and unformatted inputs and output functions present in C. Explain each of them with example.	**(4)**
	(c)	What are the different operators present in C? Write each of them with example.	**(2)**

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