END SEMESTER EXAMINATION

SEMESTER – I (FIRST)

COURSE CODE : CSE-206 | **DURATION : 3 (THREE)HRS**

COURSE TITLE : INTRODUCTION TO C PROGRAMMING | **MAXIMUM MARKS : 75**

PASS MARKS : 35 %

SESSION : JUL-DEC'2021

NOTE: *1. Attempt any 5(Five) Questions.*
2. Marks for each question is shown against it.
3. Assume suitable logical data wherever necessary.

1.	**(a)**	Give an introduction to C language?	**(2)**
	(b)	State four characteristics of a computer?	**(4)**
	(c)	What is a recursive function?	**(2)**
	(d)	Write a program to calculate factorial of a number using recursive function?	**(7)**
2.	**(a)**	Define the following: i) identifier ii) keyword iii) symbolic constant	**(6)**
	(b)	What is a programming language?	**(3)**
	(c)	What are the various classifications of programming language?	**(6)**
3.	**(a)**	Define operator and operand?	**(2)**
	(b)	List out the various relational operators?	**(3)**
	(c)	Describe getchar( ) and putchar( ) functions?	**(4)**
	(d)	Write a program to calculate simple interest?	**(6)**
4.	**(a)**	Write the steps for writing, compiling and executing a complete C program?	**(6)**
	(b)	With the syntax, explain the working of a for loop?	**(4)**
	(c)	Describe the use of static variable with an example program?	**(5)**
5.	**(a)**	Describe the following with example: i) function declaration ii) function definition iii) function call	**(9)**
	(b)	What is an array?	**(2)**
	(c)	Write a program using an array to store and display 10 integers in it?	**(4)**
6.	**(a)**	Define pointer?	**(2)**
	(b)	Differentiate between structure and union?	**(4)**
	(c)	Write a program to calculate the area of a circle?	**(6)**
	(d)	How variables are dynamically initialized at runtime?	**(3)**
7.	**(a)**	What is a conditional operator. Explain its working?	**(5)**
	(b)	What are the two categories of functions in C. What is the difference?	**(4)**
	(c)	Write a program to find the biggest of two numbers?	**(6)**
8.	**(a)**	Write a C program to find the sum of all the odd numbers between 1 to 100?	**(6)**
	(b)	Write a short note on main( ) function?	**(3)**
	(c)	Explain the working of conditional operator with its syntax and example?	**(4)**
	(d)	Write the syntax for declaring a variable?	**(2)**

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