Register No.   Time: 3 Hours
                                                                                Maximum Marks:100

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I. Fill in the blanks. Answer ALL questions.   **(10 x 1 = 10)**

1. Numeric values can be stored in variables of _____ type.

2. _____ is called decrement operator.

3. Every statement in a C program ends with _____

4. When a function calls a copy of itself then the process is known as _____

5. _____ is the arithmetic operator used for addition.

6. The _____ function is used to print out a message, either on screen or paper.

7. A _____ is a variable whose value is the address of another variable.

8. _____ function returns the length of a string.

9. To access any element of an array, use array name and _____ of that element.

10. Execution of C program starts by _____ function.

II. Explain briefly. Answer any TEN questions.   **(10 x 4 = 40)**

1. Write short note on C language.

2. Write short note on super computer and desktop computer.

3. Differentiate while loop and do while loop.

4. Write short note on storage class specifications.

5. Why we need array in programming?

6. Write syntax of if else statement and give example.

7. What is the difference between break and continue statement?

8. Write a program to find smallest of three numbers.

9. What are pointers?

10. Write short note on switch statement.

11. What are the benefits of using functions in programming, how it is declared?

12. What is the use of enumerated data type?

13. Briefly explain about first and second generations of computers.

III. Answer any FIVE questions. Explain in detail.   **(5 x 10 = 50)**

1. Explain in detail about flowchart, symbols and types with an example.
2. Write a program to display mark sheet of a student with total mark
   (Input – Student id, Name, Class, marks of 4 subjects).
3. Explain classification of computers based on size of memory.
4. Explain about functional units of a computer.
5. Write a program to find the sum of 10 numbers stored in an array.
6. Explain about basic structure of a C program with example.
7. What are Relational, logical, assignment and conditional operators in C?

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