Register No.

Time: 3 Hours
Maximum Marks:100

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

1. The standard input output functions are included in the _____ header file.

2. In C, a string ends with a _____

3. C program is basically a collection of _____

4. _____ is a collection of data items of same type.

5. _____ computers are used for weather forecasting.

6. _____ is an example of arithmetic operator.

7. While loop executes its body only if the condition is _____

8. The _____ keyword is used to declare a variable for storing numbers.

9. _____ function can be used to read values through keyboard.

10. The statement for declaring an array to store 10 numbers can be written as _____

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

1. Write short programming languages.

2. What do you know about one dimensional array?

3. What is the difference between algorithm and flowchart?

4. Compare break and continue statements in C.

5. Write short note on personal computers.

6. How will you write a function named 'sum' that returns the sum of two given numbers?

7. What are identifiers and keywords?

8. Write short note on second generation computers.

9. What is a for loop in C?

10. What are increment and decrement operators in C?

11. Briefly explain about pointers.

12. Define linked list and also list its different types.

13. Write short note on global, local and static variables.

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

1. Explain in detail about decision making statements.

2. How will you differentiate various generations of computer?

3. Write a program to find the sum of 10 numbers stored in an array.

4. Explain about do while loop with an example.

5. Briefly explain about

    a) Recursion

    b) Stack

    c) printf() and scanf()

    d) conditional operator

6. Explain about functional units of a computer.

7. Explain about

    a) data types in C

    b) file handling functions in C

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