**Question Bank**

1. Define algorithm. Write characteristics of algorithm.

2. Differentiate between algorithm and flowchart.

3. Explain features/characteristics of C.

4. What is constant in C?

5. Is this program statement valid? INT = 10.50;

6. List out some keywords available in C language.

7. What is the syntax for comments in C?

8. Execution of a C program starts from which function?

9. Differentiate between low-level language and high-level language.

10. What are the different types of operator in C?

11. What is operator in C?

12. What is difference between i++ and ++i?

13. S++ or S = S+1, which can be recommended to increment the value by 1 and why?

14. What is || operator and how does it function in a program?

15. Describe the order of precedence with regards to operators in C.

16. What does the && operator do in a program code?

17. What is reminder for 5.0 % 2?

18. What is the relational operator in C?

19. What is the difference between the = symbol and == symbol?

20. What is the logical operator in C?

21. What is the difference between pre increment operator and post increment operator?

22. Write an algorithm to find sum of two numbers.

23. Write an algorithm to find simple interest.

24. Draw a flowchart to check a number is prime number or not.

25. Write an algorithm and draw flowchart to find factorial of a number.

26. Define flowchart. What are the necessary steps to draw a flowchart?

27. What do you mean by C character set, C variable, C constants? Explain in detail.

28. What do you mean by C keywords, identifier and literals? Explain with example.

29. Write the basic structure of C program and explain each and every keyword.

30. What do you mean by data types? How many data types does C language consist?

31. Explain all data types with their range and example

32. Define operator in C. What role an operator plays in C program?

33. Explain all types of operator available in C with example.

34. What value will be assigned to the variable X if a = 10, b = 20, c = 30, d = 40 for the expression X = a/b+c\*d-c?

35. What is the value assigned to the following variables? int X1 = 13/3; int X2 = 13%3;

36. Write a program to swap two numbers without using third variable.

37. Write a program to swap two numbers using third variable.

38. Write Short note on big endian small endian.

39. Explain operator precedence with suitable example.

40. List unary operator with example.

41. Which special symbol allowed in a variable. State reason for your answer.

42. What is a variable? Explain rules to declare a variable.

43. What are benefits of flowchart in problem solving.