BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024
2024 ADMISSIONS REGULAR
B.VOC S.W.D SEMESTER I - SKILL
VSD1S03B23 - Methodology of Programming and C Language

Time : 3 Hours   **Maximum Marks : 80**

Part A

I. Answer any Ten questions. Each question carries 2 marks   **(10x2=20)**

1. Explain the structure of a C Program.

2. Illustrate the function of an Interpreter.

3. Illustrate the functions of different parts of a Computer .

4. Explain printf() function with an example.

5. Write a C Program to display 1 if inputted value is either 1 or 100 .Otherwise 0. Use the logical (||) operator.

6. Explain keywords with examples.

7. Explain the syntax of 'for' loop.

8. Illustrate the use of multiple else with if statement.

9. How to initialize a string? Give an example.

10. Demonstrate the use of '\0' and '%s' .

11. Specify the importance of 'return' in a function.

12. Write the syntax for function declaration.

Part B

II. Answer any Six questions. Each question carries 5 marks   **(6x5=30)**

13. Explain Machine Language Concepts.

14. Differentiate between Local and Global variables.

15. Explain operators precedence and associativity.

16. Evaluate exit control loop? illustrate it with a sample program.

17. Evaluate the output of the following program, void main() { if(3>2) printf("2 is smaller than 3"); printf("and"); else printf("3 is greater"); }

18. Write a C program to find the sum of elements of an array.

19. Write a C program to calculate mean for an array of elements.

20. Is it possible to pass structure variable to function? Explain in detail the possible ways.

21. Demonstrate about function prototype and function definition.

Part C

III. Answer any Two questions. Each question carries 15 marks   **(2x15=30)**

22. Define Computer. List out its benefits, With the help of a neat diagram, illustrate the functions of various units of a computer.

23. Explain in detail looping and branching statements used in C Programming language.

24. Write a C program to find whether the given string is palindrome or not without using string functions.

25. Discuss structure in C language? Express a structure with data members of various types and declare two structure variables. Write a program to read data into these and print the same.