ST MARY'S COLLEGE (AUTONOMOUS), THRISSUR-20

I SEMESTER B.Voc (CBCSS-VUG) DEGREE EXAMINATION, November 2024
BVoc Software Development
SDC1IT02 : Programming in C
2024 Admission Onwards
(Credits: 4)

Time : 2.5 Hours   Maximum Marks : 80

Section A
Short answer type carries 2 Marks each (Ceiling : 25Marks)

1. What is top down design for problem solving?   [BTL2]

2. What is the importance of C language?   [BTL2]

3. What are the keywords in C?   [BTL1]

4. Mention type conversion in detail.   [BTL1]

5. What are the two methods to call a function in C?   [BTL2]

6. Mention the application of computer.   [BTL2]

7. What are the major elements of C program structure?   [BTL2]

8. Explain Arithmetic Operators.   [BTL2]

9. Define Two Dimensional array with syntax.   [BTL3]

10. What are user defined functions in C?   [BTL1]

11. Define pointers with example.   [BTL3]

12. List out the different elements of C language.   [BTL2]

13. What is string, describe the string manipulation library function?   [BTL4]

14. Write down the difference between structure and Union.   [BTL2]

15. Write down the pointer and Array. Explain with suitable example.   [BTL4]

Section B
Paragraph types carries 5 Marks each (Ceiling : 35 Marks)

16. Differentiate between break and continue statement.   [BTL1]

17. Illustrate the main library functions Used in C. Explain with suitable example.   [BTL1]

18. Explain basic file operations. How we can define and open a file?   [BTL1]

Turn Over

19. Differentiate Algorithm and Flow Chart with example.   [BTL3]

20. Difference between Formal parameter and Actual parameter.   [BTL3]

21. Write a program to find whether a year is leap year or not.   [BTL4]

22. Differentiate between sequential and random access files.   [BTL4]

23. Explain debugging in C language with example.   [BTL3]

Section C
*Essay-type carries **10** Marks : Answer **any two** questions.*

24. Explain Number system and binary arithmetic with examples.   [BTL2]

25. How we can open and close a file? Explain different operation on file. [BTL3]

26. Write a C Program which takes input of five students and displays result table and students information and displays who got the highest mark using structure in the program.   [BTL5]

27. Write a C program to count vowels and consonants in a string using pointer.   [BTL5]

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