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Roll No.

Paper Code - 0127003/0197903

B.C.A./B.VOC 1ˢᵗ Sem. (Main/Back/Ex.) Examination, Dec.-2024

Bachelor of Computer Application / Information Technology

Programming in "C"

Time : Three Hours]   [Maximum Marks : 75

Note : Attempt **all** the Sections as per instructions.

Section-A

(Very Short Answer Type Questions)

Note : Attempt all **five** questions. Each question carries **3** marks. Very short answer is required not exceeding **75** words.   3×5=15

1. Differentiate between the printf() and scanf()

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2. How many keywords in C language and Explain any two keywords.

3. Explain the Data type in C language.

4. Explain the all "Bit wise" operator.

5. What is "Recursion"?

Section-B

(Short Answer Type Questions)

Note : Attempt any **two** questions out of the following **3** questions. Each question carries **7½** marks. Short answer is required not exceeding **200** words.

7½×2=15

6. What do you understand by nested looping? Explain with suitable example.

7. Write program in C language to find check number is even or odd number.

8. Explain the difference between the While and Do-while loop.

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Section-C

(Detailed Answer Type Questions)

Note : Attempt any **three** questions out of the following **5** questions. Each question carries **15** marks. Answer is required in detail. 15×3=45

9. What is function? Why is its importance in C language. Explain with the help of suitable example.

10. What is difference between the call by reference and Call by value with suitable example in C language.

11. (a) Draw Flow chart to read a number N and print all its divisor.

    (b) Write an algorithm to compute the sum of digit of any given number.

12. What is an operator? What do you mean by operator precedence? Explain the difference between Logical operator and Relation operator.

13. What is Recursion? Explain the Fibonacci series program with using recursion.

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