

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

Bachelor of Computer Application / Information Technology

Programming in "C"

Code – 0127003 / 0197903

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().
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 check number is even or odd number.
8. Explain the difference between the While and Do-while loop.

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.