

B.C.A./B.VOC 1st Sem. Examination, Dec.-2023

Bachelor of Computer Application / Information Technology

Programming in "C"

Paper 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. Explain identifier and keywords in C Language.
2. Define data type in C Language.
3. Explain the conditional Operator in C Language.
4. What is difference b/w getch() and getche()?
5. Explain Difference b/w break and continue statement.

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. Write history of C Language and also write key feature of C Language.
7. What is expression? Explain role of operator precedence and associativity in solving an expression.
8. What is loop? Explain various types of loop with syntax and examples.

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. (a) Differentiate between while and do while statement.
(b) Differentiate between break and continue statement.
10. What is function? Explain components of function. Explain all types of function with suitable example.
11. Differentiate between call by value and call by reference with suitable example.
12. (a) Explain switch case statement with syntax and suitable example.
(b) What is recursive function? Write a program to find factorial of an integer number by using recursive function.
13. (a) Write a program to find whether a number entered is prime number or not.
(b) Write a program to check whether a number is palindrome or not.