

Roll No.....

BCA-204(O)

B. C. A. (Semester-II) Examination -2014

Paper: IV

Computer Programming Using C

Time: Three Hours]

[Maximum Marks: 75

Note: Section A compulsory. Attempt any ten questions out of thirteen questions from Section B and one question from Section C.

Section-A

1. (a) What is a data type? Explain the basic data types in C. (5)
(b) How do you classify C operators? (5)
2. (a) Write a program to calculate the sum of five digit number. (5)
(b) Differentiate between constants and variables. (5)

Section-B

Note: Attempt any eight questions. Each question carries 5 marks.

3. Differentiate between unformatted and formatted I/O statement with suitable example.
4. Write a program to find whether a quadratic equation has real or imaginary roots.
5. Discuss the nested-if statement with suitable example.
6. Explain the following terms:
 - (a) Keywords
 - (b) Identifiers
 - (c) C token
 - (d) Variables
 - (e) Character set
7. Write a program to find out the week day using switch statement.
8. What is string? Discuss some important functions of string.

9. What is loop statement? Differentiate between while and do-while loop.
10. What is call by value and call by reference?
11. Write a program to evaluate the factorial of a integer number.
12. What is function? Explain its type.

Section-C

Note: Attempt any one.

13. (a) What is Array? Write a program to calculate the sum of two matrix. (8)
- (b) What is switch statement? Explain with example. (7)
14. (a) What is structure? Explain the difference between structure and union. (8)
- (b) Write a program to calculate Fibonacci series
0 1 1 2 3 5 8 13----n. (8)