Roll No. ....

BCA–204(O)

B. C. A. (Second Semester)
EXAMINATION, May/June, 2015

(Old Course)

Paper Fourth

COMPUTER PROGRAMMING USING 'C'

Time : Three Hours]　　　　　　[*Maximum Marks : 75*

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

Section—A

(Numerical/Analytical/Problematic Questions)

1. (a) What is Operator ? Explain the types of operator.　5

   (b) Write a program to find the reverse of a five-digit number.　　　　　　　　　　　　5

2. (a) Explain switch statement with example.　　5

   (b) Write a program to find the factorial a given number.　　　　　　　　　　　　　5

Section—B　　　　　　　　4 each

(Short Answer Type Questions)

3. What is data type in C ? Explain its types.
4. WAP to calculate the roots of quadratic equation.
5. What are strings ? How are they declared ?

6. What is preprocessor directives ? List out some directives.

7. What is meant by formatted input/output ?

8. Write a program to check whether the number in Armstrong or not.

9. What are the uses of malloc () and free () functions ?

10. What is union in C ? How is data stored using Union ?

11. Write a program for fibonacci series.

12. What is static variable and what is its scope ?

13. Distinguish between variable and constant.

14. Explain the following standard functions :

    (a) feof ()

    (b) fseek ()

15. What is an array ? Give the classification of array.

Section—C

(Long Answer Type Questions)

16. (a) What do you understand by pointer in 'C' ? Explain the concept of Pointer.   8

    (b) Explain pointer arithmetic.   7

17. (a) Explain control statement with its types.   8

    (b) What is function ? Explain the concept of recursion with example.   7