BCA-06

December - Examination 2016

BCA Pt. I Examination

Programming in C

Paper - BCA-06

Time : 3 Hours] **[Max. Marks :- 100**

Note: The question paper is divided into three sections A, B and C. Write answers as per given instructions.

Section - A $10 \times 2 = 20$

(Very Short Answer Questions)

Note: Answer **all** questions. Maximum in 30 words. Each questions carries 2 marks.

1) (i) What is <stdio.h> in 'C'?

(ii) What is Flow Chart?

(iii) Define static variable.

(iv) What is pointer in 'C'?

(v) What is post-order operator?

(vi) Write syntax of for loop.

(vii) Define in-line function.

(viii) Write operator precedence in 'C'.

(ix) Define Union in 'C'.

(x) Define Hashing.

Section - B $4 \times 10 = 40$

Note: Answer **any four** questions. Maximum in 200 words. Each question carries 10 marks.

2) Write 'C' program to generate Fibbonaci series.

3) Write 'C' program to display first 10 prime numbers.

4) Explain "Call By Value" with example.

5) Write 'C' program to read a matrix and display transpose of matrix.

6) Describe all data types of 'C' language.

7) Explain dynamic memory allocation and its uses.

8) Write 'C' program to read a string and display reverse of string.

9) Write various file modes in 'C' language.

Section - C $2 \times 20 = 40$

(Long Answer Questions)

Note: Answer **any two** questions. Maximum in 500 words. Each question carries 20 marks.

10) Write 'C' program to read student information using structure

(i) Name of student

(ii) Roll No.

(iii) Age

Read for 20 students using array of structure.

11) Explain Call By Value and Call By Reference with example.

12) Write program to add first n terms of the series

$$\frac{1}{11} + \frac{2}{21} + \frac{3}{31} + \frac{4}{41} + \ldots\ldots\ldots\ldots\ldots + \frac{n}{n1}$$

13) Write short note on followings:

(i) Escape sequences

(ii) Data type qualities

(iii) Storage classes