BCA-06

June - Examination 2017

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. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.

1) (i) Define escape sequence.

(ii) What do you mean by variable?

(iii) Write the names of data types.

(iv) What do you understand by #define?

(v) Write the complete syntax of if.....else.

(vi) What do you mean by precedence of operators?

(vii) Write the statement to create 2D array of 5 strings, each string of 10 characters.

(viii) What do you understand by <conio.h>?

(ix) Define loop in 'C'.

(x) What do you mean by Union?

Section - B

$4 \times 10 = 40$

(Short Answer Questions)

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 10 marks.

2) Explain storage classes with a suitable example.

3) Write a 'C' program to find smallest number among array of 10 integer's numbers.

4) Explain malloc and calloc functions with suitable examples.

5) Write a 'C' program to read a string and count the number of words in string.

6) Explain one dimensional array with suitable example.

7) Write a 'C' program to swap two numbers using function mechanism.

8) Explain hashing in 'C' language with suitable example.

9) Write a 'C' program to read any 5 numbers and find sum, average of that 5 numbers.

Section - C

$2 \times 20 = 40$

(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 20 marks.

10) Explain the 'Call by Value' and 'Call by Reference' technique of function with suitable examples.

11) Write a 'C' program to read an array and insert an element at appropriate position.

12) Write a 'C' program to read a number and find reverse of that number. [hint:- 2345 changed to 5432].

13) Write a 'C' program to read a number and check whether number is prime on not.