

BCA-06

December - 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 × 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 keyword.
- (ii) What do you mean by constant?
- (iii) Write the names of derived data types.
- (iv) What do you understand by preprocessor?
- (v) Write the complete syntax of switch case.
- (vi) What do you mean by pre-order operator?
- (vii) Write the statement to create array of 10 characters.

- (viii) What do you understand by header files?
- (ix) Define function in C.
- (x) What do you mean by file?

Section - B**4 × 10 = 40**

(Short Answer Questions)

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

- 2) Explain the pointer with a suitable examples.
- 3) Write a 'C' program to find largest number among array of 10 integer's numbers.
- 4) Explain 'Call by Reference' technique of function with example.
- 5) Write a 'C' program to read a string and count the number of characters in string.
- 6) Explain the Union in 'C' with suitable example.
- 7) Write a 'C' program find the factorial of number using function mechanism.
- 8) Explain various modes of files in 'C' language.
- 9) Explain logical operators with suitable examples.

Section - C**2 × 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 recursion mechanism of function using suitable example.
- 11) Write a 'C' program to read employee information using structure:
 - (i) Name of Employee
 - (ii) Age
 - (iii) Salary

Read for 10 employee using array of structure. Display name, age of employee whose salary is maximum among 10 employees.

- 12) Write a 'C' program to generate first 10 numbers of Fibonacci series.
- 13) Write a 'C' program to perform bubble sort on array of 10 integer's numbers.
