

BCA-06

December - Examination 2018

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) What is a pointer?
- (ii) What is recursion?
- (iii) What is the difference between getch () and getche()?
- (iv) What is the purpose of realloc?
- (v) What is the difference between formal and actual argument?
- (vi) What are C tokens?
- (vii) What do you mean by preprocessor?

- (viii) What does static variable mean?
- (ix) What is union?
- (x) What is the use of typedef?

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) What is an array? Explain different type of arrays in C with example.
- 3) Write a program to find multiplication of two matrices.
- 4) Explain select statements in C. With example.
- 5) Design an algorithm as well as flowchart for finding out largest number out of three given numbers.
- 6) What is a data type? Explain different data types in detail with examples.
- 7) What is call by value and call by reference? Write a program to swap two values using call by value and call by reference.
- 8) What do you mean by storage classes? Explain all storage classes in C.
- 9) Define the basic structure of C. Explain the important features of C language.

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 Handling.

11) Write short notes on:

- (i) Self Referential Structure
- (ii) Multidimensional Array
- (iii) Stack
- (iv) Union

12) What do you mean by Strings? Explain string manipulation functions.

13) What do you mean by recursion? Write a program to find factorial using recursion.
