

**BCA-06**

December - Examination 2019

**BCA Pt. I Examination****Programming in C****Paper - BCA-06****Time : 3 Hours ]****[ Max. Marks :- 70**

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

**Section - A****7 × 2 = 14****(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 static variable.
  - ii. What is typeset.
  - iii. What is union.
  - iv. What is command line argument.
  - v. What is the use of 'break' statement.
  - vi. Define syntax error.
  - vii. Define pointer.

**Section - B****4 × 7 = 28****(Short Answer Questions)**

**Note:** Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 7 marks.

2. Write a preprocessor macro to select least significant bit from an unsigned char.
3. Write 'C' program to find out standard deviation of given 50 numbers.
4. Write flow chart for finding largest number in given 5 input numbers.
5. Discuss for formatted file input and output functions with suitable examples.
6. Differentiate between array and structure.
7. Write a program for call-by reference.
8. Give difference between library function and preprocessor directives.

**Section - C****2 × 14 = 28****(Long Answer Questions)**

**Note:** Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 14 marks.

10. Write note on:

- i. Bit-wise operator
- ii. Static variable
- iii. Local variable

11. Write 'C' program to transpose a give NXN matrix.

12. Write note on:

- i. Input and output statements.
- ii. Pointers to pointer.

13. Write 'C' program to calculate sum of first 10 odd numbers.

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