

BCA-06

June – Examination 2022

BCA (Part I) Examination

Programming in 'C'

Paper : BCA-06

Time : 1½ Hours]

[Maximum Marks : 70

Note :- The question paper is divided into two Sections A and B. Write answers as per the given instructions.

Section-A

4×3½=14

(Very Short Answer Type Questions)

Note :- Answer any *four* questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to **30** words. Each question carries 3½ marks.

1. (i) List the different keywords in C.
- (ii) How is a Program Compiled and Executed ?

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(1)

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- (iii) Write a C program to reverse a string.
- (iv) What is the role of Header files in C Program ?
- (v) Differentiate between constant and variables.
- (vi) What are the various Input/Output Statement in C ?
- (vii) How are pointers declared and Initialized ?
- (viii) Differentiate between call by value and call by reference.

Section-B **4×14=56**

(Short Answer Type Questions)

Note :- Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 14 marks.

- 2. What are the data types in “C” language ? Explain with examples.
- 3. Differentiate between “While” and “Do-While” statement with suitable example.
- 4. What do you mean by an Array ? Explain single dimension array with example.

- 5. What are the Functions ? How are functions declared and parameters passed to functions ?
- 6. Differentiate between structure and union with suitable example.
- 7. Explain the following :
 - (a) Enum
 - (b) Nested structures
- 8. Why do we use void pointers ? Explain with suitable example.
- 9. Write “C” program to demonstrate pointer to pointer.