BCA–06

June – Examination 2023

BCA (Part I) Examination

Programming in 'C'

Paper : BCA-06

*Time : **3** Hours*] [*Maximum Marks : **70***

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

Section–A **7×2=14**

(Very Short Answer Type Questions)

Note :– Answer all 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 2 marks.

1. (i) What is variable ?

   (ii) What do you mean by output statement ?

   (iii) int A[10] is an example of a/an ..... .

   (iv) What is keyword ?

(v) Define function.

(vi) Write about union.

(vii) What is the meaning of case-sensitive language ?

Section–B 4×7=28

(Short Answer Type Questions)

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

2. Differentiate between while and do while loop. Give syntax.
3. Write short notes on the following :
   (a) Types of basic data types
   (b) Conditional statement.
4. Write about call by value and call by reference function. Give syntax.
5. Write a 'C' program to check given no. is odd or even.
6. Write short notes on the following :
   (a) Pointer
   (b) Preprocessor.

7. Write about any two operations of file handling. Give functions and syntax for same.
8. Write a program in C language for simple mathematical operations.
9. Write about Input-Output statements and Input-Output functions.

Section–C 2×14=28

(Long Answer Type Questions)

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

10. Define Array. Write about different types of array with example.
11. Explain structures in C language.
12. What is loop ? Write a program using for loop.
13. Write short notes on the following :
    (a) Syntax Error
    (b) Operators in C
    (c) Function overloading.