BCA-10

December – Examination 2023

BCA (Part II) Examination

Object Oriented Programming in C++

Paper : BCA-10

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 class ?

   (ii) Define stream.

(iii) Define exception.

(iv) Define object.

(v) Define pointer.

(vi) What is use of inline function ?

(vii) Define file.

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. Discuss various data types of C++.

3. Discuss function overloading.

4. Differentiate constructor and destructor.

5. Differentiate call by value and call by reference.

6. Explain virtual function.

7. Write short note on benefits of OOPS.

8. Write short note on Array of Object.

9. Write short note on templates.

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. Explain various types of inheritance with example.

11. (a) Give structure of C++ program.

    (b) Explain control structure of C++.

12. (a) Explain the Friend Function.

    (b) Explain use of command line parameters.

13. (a) Explain types of polymorphism.

    (b) Explain Manipulators in C++.