

12. Describe the following :

- (i) Preprocessor Directives
- (ii) Scope resolution operation

13. Explain the following :

- (i) Multi-level Inheritance
- (ii) Copy constructor

## **BCA-10**

**June – 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 the use of declaring a class as a friend of another ?
- (ii) Define Object.

- (iii) Define Destructor.
- (iv) What is Container Class ?
- (v) Define Inheritance.
- (vi) Define Static Class.
- (vii) What is Reference data type ?

**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. Explain in how many ways polymorphism can be implemented in C++.
- 3. Explain the difference between struct and union.
- 4. Write inline function to find minimum of two given integers.

BCA-10/4

( 2 )

**T-466**

- 5. Define function overriding. Compare it with function overloading.
- 6. Explain predefined manipulators in C++.
- 7. Explain early binding and late binding.
- 8. With an example, explain how virtual functions are hierarchical.
- 9. Write down features of C++ language.

**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. Write C++ program to illustrate catching all exceptions.
- 11. Write down the features of object oriented programming language.

BCA-10/4

( 3 )

**T-466**