

BCA-10
December – Examination 2021
BCA (Part II) Examination
Object Oriented Programming in C++
Paper : BCA-10

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) Define Class.
- (ii) What is Constructor ?

- (iii) What do you mean by Function Overloading ?
- (iv) Why we use scope resolution operator (: :) ?
- (v) Define Inheritance.
- (vi) Define Pure Virtual Function.
- (vii) What is 'this' Pointer ?
- (viii) How can we allot dynamic memory using 'New' operator ? Give an example.

Section-B **4×14=56**

(Short Answer Type Questions)

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

- 2. Explain the features of Object Oriented Programming.
- 3. Write a C++ program that uses the concept of parameterized constructor.
- 4. What is Virtual Base Class ? Also give an example that illustrate virtual base class concept.

- 5. What do you mean by Friend Function ? Explain it with suitable C++ program.
- 6. Write a C++ program to find the factorial of a given number. Number would be input by user.
- 7. What is Stream Class ? Explain its types.
- 8. Explain Inline Function using suitable example.
- 9. What do you mean by Exception Handling ? How we handle exception in OOP ? Explain.