

BCA-10

December - Examination 2025
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) Define Object.
- (ii) Define Identifier.
- (iii) Define Keyword.
- (iv) What is Pointer?
- (v) Define Symbolic Constant.
- (vi) What is use of Scope Resolution?
- (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 operators of C++.
3. Discuss Reference Variable.
4. Differentiate Virtual Function and Pure Virtual Function.
5. Differentiate Structure and Class.
6. Explain Pure Virtual Function.
7. Write short note on Type Casting.
8. Write short note on Destructor.
9. Write short note on Friend Function.

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. (a) Explain various features of Inheritance.
(b) Explain While Loop.
 11. (a) Discuss Visibility Modes in C++.
(b) Explain Data Types of C++.
 12. (a) Discuss features of C++.
(b) Discuss Applications of OOPS.
 13. (a) Discuss Formatted I/O operations.
(b) Explain Control Structure of C++.
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