

A-0789

Total Pages : 3

Roll No.

BCA-08

Bachelor of Computer Application (BCA)

(Object-Oriented Programming Through C++)

Examination, June 2025

Time : 2:00 Hrs.

Max. Marks : 70

Note :- This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

Section-A

(Long Answer Type Questions) 2×19=38

Note :- Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

1. Define polymorphism. Explain the types of polymorphism with suitable examples.
2. Differentiate between variables and constants.
3. What is an identifier in C++ ? List the rules for naming an identifier in C++.
4. Define the main() function and explain its significance in a program
5. What are the basic file I/O Operations ? What is the difference between formatted and unformatted I/O operations.

Section–B

(Short Answer Type Questions) 4×8=32

Note :- Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. What are the different types of operators in C++ ?
2. What is operator over loading in C++ and why is it used ?
3. What is the general structure of a switch statement ?
4. How does a do-while loop differ from a while loop ?

5. How does a union differ from a structure ?
6. What is the significance of the public, private, and protected access specifiers in a class ?
7. How does a destructor differ from a constructor ?
8. Explain hierarchical inheritance with an example.
