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BCA-08

Bachelor of Computer Application (BCA)

(Object-Oriented Programming Through C++)

3rd Semester Examination, 2024 (June)

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. Explain the fundamental concepts of Object-Oriented Programming (OOP) and how they differ from procedural programming.

2. Explain basic data type in C++.

3. Explain in detail the types of operators in C++.

4. Explain Decision and Control Structures in C++.

5. Explain array with the help of program.

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. Difference between structures and unions with the help of example.

2. What is an abstract class ?

3. Explain the concept of file modes in C++.

4. Define constructors and their types in C++.

5. Explain the concept of member functions in classes.

6. What is Opening and Closing a file ?

7. Define break, continue, and go-to statements in C++.

8. Explain two fundamental differences between C and C++.

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