# S-735

## BCA-08

**Object-Oriented Programming through C++**

**Bachelor of  Computer Application (BCA)**

3rd  Semester, Examination 2022(Dec.)

Time: 2 Hours                                     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.

### Section – A

(Long Answer – type questions)

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.

[2 x 19 = 38]

P.T.O.

Q.1. Explain all the basic concept of OOP and also explain benefits of OOP.

Q.2. Difference between c and c++ with the help of program.

Q.3. Explain the entire decision making and control Statement in oop.

Q.4. What is function and explain types of function.

Q.5. Explain Inline Member function and Member Function with the help of example.

## Section – B

### (Short-answer-type questions)

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.

[4 x 8 = 32]

Q.1.  Explain inheritance with the help of program.

Q.2.  Explain encapsulation with the help of program.

Q.3.  Explain Tokens and identifiers.

Q.4.  Explain pointers with the help of program.

Q.5.  Explain friend function and friend class.

Q.6.  Explain type conversions in oop.

Q.7.  Explain abstract class with the help of program.

Q.8.  Explain file modes in oop.

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