

Exam. Code : 107202

Subject Code : 1649

**Bachelor of Computer Application (BCA) 2nd Semester
(Batch 2022-25)**

**INTRODUCTION TO PROGRAMMING-C++
Paper-I**

Time Allowed--3 Hours] [Maximum Marks --75

Note :— Attempt **FIVE** questions in all, selecting at least **ONE** question from each section. The fifth question may be attempted from any section. All questions carry equal marks.

SECTION-A

1. What is Object Oriented Programming ? How will you compare it with structured Programming ?
2. What is meant by data hiding and encapsulation ?

SECTION-B

3. Write and explain a Program in C++ that uses a constructor and destructor.
4. How will you overload a constructor in C++ ?

SECTION-C

5. Explain the concept of function overloading using C++ code.
6. Overload any one unary operator available in C++.

SECTION-D

7. What are the different types of inheritances ? Explain with C++ code.
8. What is class template ? Explain using C++.