

Exam. Code : 107202

Subject Code : 1649

Bachelor of Computer Application (BCA) 2<sup>nd</sup> 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++.