6. Explain:

   (a) Type conversion using operator overloading.

   (b) Overloading unary and binary operators.

7. Briefly explain:

   (a) Derived class

   (b) Class hierarchies

8. Write short notes on:

   (a) Types of Polymorphism.

   (b) Static function.

Exam. Code : 107202

Subject Code : 1704

Bachelor of Computer Application (BCA) 2nd Semester

INTRODUCTION TO PROGRAMMING C++

Paper - I

Time Allowed—2 Hours]   [Maximum Marks—75

Note :— There are **Eight** questions of equal marks. Candidates are required to attempt any **Four** questions.

1. What is object oriented programming ? How it is different from the procedure oriented programming ?

2. Differentiate between the following terms:

   (a) Data abstraction and data encapsulation

   (b) Objects and classes

3. Discuss the characteristics of a destructor.

4. Briefly explain:

   (a) Objects and classes.

   (b) Member functions.

5. What is function overloading ? What are the principles of function overloading ?