

Exam. Code : 107202

Subject Code: 2101

Bachelor of Computer Application (BCA)

2nd Semester

INTRODUCTION TO PROGRAMMING-C++

Paper—I

Time Allowed—3 Hours]

[Maximum Marks—75

Note :— Attempt any **FIVE** questions. All questions carry equal marks.

1. State the important features of object oriented programming. Compare object oriented programming with structured programming methodology.
2. Write short notes on :—
 - (a) Encapsulation.
 - (b) Member functions.
3. List the characteristics of a constructor. Discuss various types of constructors with suitable program segments.
4. Explain the concept of Data hiding with suitable example.
5. What is Function overloading ? Explain.

6. What is Inheritance ? Discuss various types of Inheritance.
7. Briefly explain the following terms :—
 - (a) Virtual Function
 - (b) Friend function.
8. Write short notes on :
 - (a) Polymorphism
 - (b) Operator Overloading.