B.Tech / Integrated (MBA/M.Tech) 3rd Sem (CSE) Examination
June 2014
Object Oriented Programming using C++
Subject Code: CSL-203

Time Allowed: 03 hours. Maximum Marks: 100

Before answering the question paper the candidate should ensure that they have been supplied the correct question paper. Complaints in this regard, if any, shall not be entertained after the examination.

Note: Question No. 1 is Compulsory and attempt two questions from each section. All questions carry equal marks.

1. (a) explain preprocessor directive. (4*5=20)
   (b) Differentiate between structure and class.
   (c) Explain friend functions.
   (d) What is abstract class?
   (e) Differentiate between static and dynamic binding.

SECTION-A

2. What is object oriented programming? How it is different from procedural programming? Explain features of OOP. (20)

3. (a) What is destructor? Explain with a program. (10)
   (b) Explain the use of this Pointer with a program. (10)

4. What is operator overloading? Write a program to overload any binary operator. (20)

SECTION-B

5. (a) Explain multilevel inheritance in C++ using a program. (10)
   (b) What is meant by polymorphism? Explain different types of polymorphisms. (10)

6. (a) Why function templates are used? Write a program using function template. (10)
   (b) What is meant by an exception? Explain exception handling mechanism. (10)

7. (a) Explain and write a program to read Data from a Sequential Access File. (10)
   (b) Explain Stream manipulators. (10)