

BACHELOR OF INFORMATION TECHNOLOGY**Term-End Examination****December, 2011****CSI-24 : OBJECT ORIENTED PROGRAMMING***Time : 2 hours**Maximum Marks : 60*

Note : *There are two sections in this paper. All the questions from section-A are compulsory. Answer any two questions from section-B.*

SECTION - A

1. State whether following statements are *true* or *false*. 5
 - (a) By default all the members of a class are public.
 - (b) C is an object oriented programming language.
 - (c) ++ operator cannot be overloaded in C++.
 - (d) Object of abstract class cannot be created.
 - (e) C++ supports Multilevel Inheritance.

2.
 - (a) Write and explain different data types in C++. 8
 - (b) What is a constructor ? Explain advantage of constructor in C++ with the help of a program. 7

3. (a) Write a C++ program to find the largest number from a list of 10 given numbers. 5
- (b) What is static variable ? Explain need of static variable. 5

SECTION - B

4. (a) Write a program in C++ to find the length of a given string. 5
- (b) Explain the following with the help of an example. 10
- (i) Inheritance
- (ii) Friend Function
5. Identify classes and draw inheritance hierarchy for "Bank Management System" for a Bank. The system should deal with the followings : 15
- (a) Should open different types of accounts including saving account, fixed deposits and current account.
- (b) Should show balance in account.
- (c) Should provide overdraft facility.
- (d) Should provide money withdrawal from counter and ATM.
- Also make necessary assumptions, where-ever required.
6. Explain the following in context of OOP, with the help of example. 3x5=15
- (a) Object and Class.
- (b) Function overloading.
- (c) Public and Private functions.