Mid Semester Examination

SCHOOL OF TECHNOLOGY

STM-513: Object Oriented Programming (C++)

Section A   1 x 6

1. Polymorphism is implemented in _____ and _____ concepts of C++.
2. Define the scope of a variable?
3. What do you mean by i) abstract class ii) static class member .
4. What is the use of :: operator?
5. Which are the types of inheritance?
6. The ____ and _____ operators are used for memory allocation and deallocation in C++.

Section B   3 x 4

Attempt any four questions

1. What is a destructor ?Write any five characteristics of destructors.
2. Write about the role of access modifiers/specifiers in Inheritance.
3. Discuss about object as parameters to functions with an example.
4. Write a program to illustrate multilevel inheritance and explain its working .
5. What is a friend function?Explain about it with an example.

Section C   6 x 2

Attempt any two questions

1. Explain about classes in detail (definition and declaration ,members,objects)with an example.
2. Write about constructor overloading .Give an example program.
3. Explain the basic concepts of OOP in detail.