Advanced Diploma in Information Technology (ADIT) / Bachelor in Information Technology (BIT)

Term-End Examination

December, 2006

CST-201 : COMPONENT PROGRAMMING

Time : 2 Hours   *Maximum Marks : 50*

Note : *There are two Sections in this paper. Section A is **compulsory**. Answer any **two** questions from Section B.*

SECTION A

1. State *true/false* for the following statements :

   (i) DCOM is for distributed computing without compromising flexibility.

   (ii) Switch-case statement is used when one variable is checked corresponding to the list of operations.

   (iii) COM is programming language dependent.

   (iv) A class cannot be defined by using ActiveX control.

   (v) DLL stands for Data Library Location.

2. Explain the following with an example :

   (i) Security in COM programming

   (ii) Windows DNA (Distributed interNet Applications) architecture

3. (a) What is multi-tier architecture ? Explain any two advantages of multi-tier architecture with an example.

   (b) Explain with an example the communication of COM components in a distributed environment.

SECTION B

*Answer any **two** questions from this section.*

4. Explain any six advantages of developing application using COM technology.

5. (a) What is DDX (Dialog Data Exchange) ? Explain the use of DDX with an example.

   (b) What is button control ? Explain any two uses of button control in Windows programming.

6. (a) What is work space ? Explain any three views of application allowed by work space.

   (b) What is data persistence ? Explain with an example, how data can be made persistent.