CST-201

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

00538

Term-End Examination

June, 2010

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

Answer all the questions in this section :   1x5=5

1. State *True/False* for the following statements :

    (a) COM stands for Continuous Object Monitoring.

    (b) DDE allows two documents to share the same data.

    (c) Persistent objects may be created using COM technology.

    (d) Authenticated RPC is not used for DCOM security.

    (e) In a process, there may be more than one thread.

2. Briefly, Explain the following : 3x4=12

    (a) Multithreaded program

    (b) RPC

    (c) OLE

3. (a) What is DCOM ? Explain security issues in DCOM.   5

    (b) What is a class factory ? Explain why it is used in COM.   4

SECTION-B

Answer *any two* questions from this section :

4. (a) What is DLL ? Explain any three advantages   5
      of DLL.

   (b) What is MTS ? Explain any five services of   7
      MTS.

5. (a) What is DNA ? Explain why DNA is an   8
      example of a classic three-tier architecture.

   (b) Explain any four disadvantages of N-Tier   4
      architecture.

6. (a) What is I Persist interface ? Explain I persist   6
      stream and its uses.

   (b) Explain the following with the help of an
      example :

      (i) Active - X controls   3

      (ii) Dual Interface   3

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