

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

**Term-End Examination**

**December, 2010**

00215

**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 :
  - (i) COM specifies how to build components that can be dynamically integrated.
  - (ii) DLL provides transparent links to remote components.
  - (iii) Links created by DCOM are neither secure nor permanent.
  - (iv) MTS ensures that communications remain reliable.
  - (v) Business tier of a 3 tier architecture is comparatively simpler than two other tiers.

2. What is IIS ? Explain whether by using IIS, distributed network application can be developed or not. 6
3. Briefly, explain the following : 3x4=12
- (a) Persistence of an object
  - (b) RPC
  - (c) DCOM
4. What is DLL ? Explain its advantages. 3

## SECTION - B

Answer *any two* questions from this section :

5. (a) What is MSMQ ? Explain any 6 features of it. 8
- (b) Explain "reference counting" in reference to COM. 4
6. (a) Explain security in COM. Explain in detail about Activation Security and Call Security. 8
- (b) What is active - X control ? Explain its advantages. 4
7. (a) What is Aggregation ? How it is used in COM ? 6
- (b) Explain 2-tier and 3-tier architectures. Also, compare them. 6
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