

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

Term-End Examination

June, 2007

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 : 5
 - (i) DLL stands for Dynamic Library Loader.
 - (ii) Sometimes interfaces may not be compatible with the classes.
 - (iii) DCOM is Dynamic Component Object Model.
 - (iv) MTS provides a runtime environment for COM objects.
 - (v) IIS makes distributed network application possible.

2. Explain the following in brief : 12
 - (i) OLE
 - (ii) ActiveX
 - (iii) MSMQ

3. (a) What is Windows DNA Architecture ? Explain the need of Windows DNA. 6
(b) What is DCOM ? Explain its advantages in brief. 3

SECTION B

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

4. What is web ? Explain the need of HTML, ASP and IIS in a web application. 12
5. (a) What do you understand by N-tier Architecture ? Explain the advantages of N-tier architecture over traditional 2-tier architecture. Also explain the various cost overheads associated with N-tier architecture. 6
- (b) What is MTS ? Explain various features of MTS. 6
6. Write short notes on any **three** of the following : 12
- (i) VC++
 - (ii) DLL
 - (iii) COM
 - (iv) RPC