

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

Term-End Examination

December, 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) OLE and ActiveX are used to explain the COM.
 - (ii) COM is language dependent.
 - (iii) MTS provides process to load and unload COM objects throughout the network for the client applications.
 - (iv) HTML is the best way to create the cross platform applications.
 - (v) IIS is a client side application.

2. Differentiate between the following : (2.5 marks each) 10
 - (i) COM and DCOM
 - (ii) OLE and ActiveX
 - (iii) Client side and Server side script
 - (iv) IPersistStream and IPersistFile

3. (a) Explain the following with example : 6
 - (i) Role of ASP in web application
 - (ii) Load balancing at server

(b) What is IIS ? Explain its role in the web. 5

SECTION B

Answer any *two* questions from this section.

4. (a) What is COM ? Explain various advantages of COM. 6
(b) Explain the location transparency and security in COM. 6
5. (a) What is N-tier application ? Explain the architecture and advantages of N-tier architecture. 8
(b) What is MSMQ ? Explain in brief. 4
6. Write short notes on any *three* of the following : (4 marks each) 12
(i) MTS
(ii) DDX
(iii) Windows DNA
(iv) Workspace