

ADIT/BIT PROGRAMME

Term-End Examination

June, 2010

00553

CSI-04 : COMPUTING SOLUTIONS

Time : 3 hours

Maximum Marks : 75

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

SECTION - A

1. What is information technology ? Explain three major areas of applications of information technology. 8
2. (a) What is client/server based application ? Explain transaction processing with an example. 6
(b) What is office automation ? Explain advantages of office automation. 6
3. What is Data Flow Diagram (DFD) ? Draw second level data flow diagram for Bank ATM System. 10

SECTION - B

4. (a) Explain the following terms with the help of an example : 6
- (i) Reliability
 - (ii) User friendliness
 - (iii) Coupling
- (b) Write short notes on the following : 9
- (i) GUI Design
 - (ii) Word Processing
 - (iii) Data Integrity
5. (a) What is system design ? Explain with an example how a system is designed. 10
- (b) What is software testing ? Explain difference between module testing, system testing and acceptance testing. 5
6. What is OOAD? Perform object oriented analysis and design for payroll system. 15
7. (a) What is CASE tool ? Explain its features. 10
- (b) What is data security ? List any six data security lapses. 5