

GUJARAT TECHNOLOGICAL UNIVERSITY**MBA - SEMESTER-IV • EXAMINATION – SUMMER 2013****Subject Code: 2840401****Date: 10-05-2013****Subject Name: Information system Audit and control****Time: 14:30pm – 17:30pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) What are the normative models of the system development process? **07**
(b) Explain the nature of two phase locking. If two-phase locking is used to prevent a deadlock situation, what properties must the transactions have if two phase locking is to be successful? **07**

- Q.2** (a) What is the difference between system effectiveness and system efficiency? Why is the system auditor concerned with both system efficiency and effectiveness? **07**

- (b) Write Short notes on **07**
1. Wide area network topologies
2. Local area network topologies

OR

- (b) What are major information security threats and what are remedial measures? **07**

- Q.3** (a) Explain digital signature in detail. **07**

- (b) Explain Personal Identification Number (PIN) in detail. **07**

OR

- Q.3** (a) Write detail note on data entry screen design. **07**

- (b) Write Detailed note on workload models. **07**

- Q.4** (a) “Generalized audit software is less effective then specific software”- Explain this sentence and also write brief note on generalized audit software. **07**

- (b) What are the four objectives of information systems auditing? Explain in detail each of them. **07**

OR

- Q.4** (a) Explain utility software in detail. **07**

- Q.4** (b) What are the types of performance measurement tools? **07**

- Q.5** (a) Explain in brief in IS audit context **07**

1. Questionnaires
2. Interviews
3. Control flowchart

- (b) Discuss types of risk that auditor handles. **07**

OR

- Q.5** (a) Explain in brief **07**

1. Check digit
2. Utility software
3. File Library

- (b) Describe Functions of QA (Quality Assurance). **07**
