Seat No.: _____   Enrolment No._____

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 **07** used to prevent a deadlock situation, what properties must the transactions have if two phase locking is to be successful?

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

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 **07** software"- Explain this sentence and also write brief note on generalized audit software.
       (b) What are the four objectives of information systems auditing? **07** Explain in detail each of them.
       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**

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