## **GUJARAT TECHNOLOGICAL UNIVERSITY** MBA - SEMESTER-IV • EXAMINATION – SUMMER 2013

| MIBA - SEMIESTER-IV • EXAMINATION – SUMIMER 2015   |                |   |          |
|--|----------------|---|----------|
| Subj   | ect C          | Code: 2840401 Date: 10-05   | 5-2013   |
| Subject Name: Information system Audit and control |                |   |          |
| Time: 14:30pm – 17:30pm Total Mar                  |                |   | ks: 70   |
| Instructions:                                      |                |   |          |
|  | <b>2.</b> ]    | Attempt all questions.<br>Make suitable assumptions wherever necessary.<br>Figures to the right indicate full marks.  |          |
| Q.1  | <b>(a)</b>     | What are the normative models of the system development process?<br>Explain the nature of two phase locking. If two-phase locking is                                | 07<br>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<br>efficiency? Why is the system auditor concerned with both system<br>efficiency and effectiveness? | 07       |
|  | (h)            | Write Short notes on  | 07       |
|  | (0)            | 1. Wide area network topologies   | 07       |
|  |                | <ol> <li>Local area network topologies</li> <li>OR</li> </ol>   |          |
|  | (b)            | What are major information security threats and what are remedial measures?   | 07       |
| Q.3  | <b>(a)</b>     | Explain digital signature in detail.  | 07       |
| Q.0  | (b)            | Explain Personal Identification Number (PIN) in detail.<br>OR   | 07       |
| Q.3  | <b>(a)</b>     | Write detail note on data entry screen design.  | 07       |
|  | <b>(b)</b>     | Write Detailed note on workload models.   | 07       |
| Q.4  | (a)            | "Generalized audit software is less effective then specific<br>software"- Explain this sentence and also write brief note on<br>generalized audit software.         | 07       |
|  | (b)            | What are the four objectives of information systems auditing? Explain in detail each of them.   | 07       |
| 0.4  | $(\mathbf{a})$ | OR<br>Eveloin utility software in detail  | 07       |
| Q.4<br>Q.4   | (a)<br>(b)     | Explain utility software in detail.<br>What are the types of performance measurement tools?   | 07<br>07 |
| Q.5  | (a)            | Explain in brief in IS audit context<br>1. Questionnaires   | 07       |
|  |                | 2. Interviews   |          |
|  |                | 3. Control flowchart  |          |
|  | <b>(b)</b>     | Discuss types of risk that auditor handles.   | 07       |
| 05   | (-)            | OR<br>Evaluin in heisf  | 07       |
| Q.5  | <b>(a)</b>     | Explain in brief<br>1. Check digit  | 07       |
|  |                | 2. Utility software   |          |
|  |                | 3. File Library   |          |
|  | <b>(b)</b>     | Describe Functions of QA (Quality Assurance).   | 07       |

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