

GUJARAT TECHNOLOGICAL UNIVERSITY
ME - SEMESTER– II EXAMINATION – SUMMER - 2017

Subject Code: 3725107**Date:01/06/2017****Subject Name: Security Standards and Audit (Elective-I)****Time:02:30 PM to 05:00 PM****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 is the need of information security? Explain test auditing step for data centers. **07**
 (b) What is Security Risk Assessment? Explain Risk Assessment Methodology. **07**
- Q.2** (a) What is Information asset classification? Explain maturity stages of asset classification. **07**
 (b) Explain IT risk management Life Cycle. **07**
- OR**
- (b) Explain Critical Business Function with suitable example. **07**
- Q.3** (a) Explain IT Governance Maturity Model with figure. **07**
 (b) Explain the Strategic Planning Process with diagram. **07**
- OR**
- Q.3** (a) What is Process? Explain key elements of Process and Process Level strategy for Corporate Culture. **07**
 (b) Explain various roles and responsibilities of all the stakeholders in accomplishing assessment in best possible way. **07**
- Q.4** (a) Explain SSE-CMM in brief. **07**
 (b) Does ISO 27001 certification mean HIPAA and HITECH compliant by default? What are the differences between these standards? **07**
- OR**
- Q.4** (a) Define COSO and list five major associations of COSO. Also give brief note on key concept of Internal Control according to COSO. **07**
 (b) Briefly explain following security model **07**
 1) Harrison-Ruzzo-Ullman Model
 2) Clark-Wilson Model.
- Q.5** (a) Compare ISO certified with ISO compliant. Explain the same in detail **07**
 (b) Explain Crisis Management Plan for any University. **07**
- OR**
- Q.5** (a) Explain Payment Card Industry (PCI) Data Security Standard in brief and also discuss PCI Impact on the Payment Card Industry. **07**
 (b) Elaborate COBIT framework with its features and diagram. **07**
