Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. - SEMESTER–II • EXAMINATION – WINTER 2013

Subject Code: 725107 **Date: 04-01-2014**

Subject Name: Security Standards and Audit

Time: 10.30 To 13.00 **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 challenges in choosing the right IT security frameworks and standards?	**07**
	(b)	Does ISO 27001 certification mean HIPAA and HITECH compliant by default? What are the differences between the standards?	**07**
Q.2	**(a)**	Can ISO 27002 be used as a standalone guide for security management? Explain in detail.	**07**
	(b)	What is ISO certified vs. ISO compliant? Explain each term in detail.	**07**
		OR	
	(b)	What are the benefits of ISO 27001 and ISO 27002 certification for any enterprise?	**07**
Q.3	**(a)**	Explain the method of conducting Computer Security Audit in detail.	**07**
	(b)	Explain Security Risk assessment VS Security Audit	**07**
		OR	
Q.3	**(a)**	Explain security risk assessment in detail, including benefits, frequency and type	**07**
	(b)	Explain various roles and responsibilities of all the stakeholders in accomplishing assessment in best possible way	**07**
Q.4	**(a)**	Explain threat, threat analysis and vulnerability analysis during security risk assessment	**07**
	(b)	List major steps of Identifying and selecting safeguards during security risk assessment	**07**
		OR	
Q.4	**(a)**	What are common security risk assessment tasks and deliverables?	**07**
	(b)	List auditing steps and explain each in detail	**07**
Q.5	**(a)**	What are different types of security audits generally takes place in organizations?	**07**
	(b)	Please explain in detail the possible Security Audit check-list	**07**
		OR	
Q.5	**(a)**	Explain how PCI-DSS ensures the security of the online credit card transactions?	**07**
	(b)	What are Service Level Agreements? How they help an organization reduce some of its risks?	**07**

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