Seat No.:		Enrolment No	Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY ME – SEMESTER II (NEW) – • EXAMINATION – SUMMER 2016		
	U	Code: 3725103 Date: 27/05/2 Name: Information System & Network Security	Date: 27/05/2016	
·			Marks: 70	
Inst	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a)	Identify the basic types of business information systems and discuss who uses them, how they are used, and what kinds of benefits they deliver?	07	
	(b)	Define the term competitive advantage and discuss how organizations are using information systems to gain such an advantage?	07	
Q.2	(a) (b)	Explain with examples the changing nature of Information System Identify the threats posed to information security. Identify the more common attacks associated with those threats.	07 07	
	(b)	OR What makes DDoS Attacks possible? Explain in detail.	07	
Q.3	(a)	Analyze why information systems need special protection from destruction, error, and abuse	07	
	(b)	Describe the tools and technologies used for safeguarding information resources.	07	
Q.3	(a)	OR List types of Credit Card fraud. How would you protect from them? What are the steps to be taken when fraud strikes?	07	

(b) Explain general end-user security measures that can be taken to enhance security 07 on mobile computing devices. **Q.4** What is ISMS? What is ISO 27001 standard? What is ISO 27002? 07 Why an Organization needs information security polices and standards? 07 OR Explain information security standards in terms of classification and control, 07 0.4 information users, staffing and personnel, physical security, IT Infrastructure. Please provide the template on Information security policy and explain in detail. 07 Q.5 What is E-Commerce security? What are different E-Commerce threats? 07 (a) Explain building blocks of Information security in detail **07 (b)** OR What can a Risk Analysis and Risk Assessment analyze? What can the result of **Q.5** 07 a Risk management tell the organization? What are the differences between data privacy and data security? Explain OSI **07** security architecture.
