## **GUJARAT TECHNOLOGICAL UNIVERSITY** ME- SEMESTER II– EXAMINATION – SUMMER 2015

Subject Code: 2725602 Date: Subject Name: Cyber Security			28/05/ 2015	
Tin	Subject Ivalue. Cyber Security   Time: 2:30 PM – 5:00 PM Total Mark   Instructions: 1. Attempt all questions.   2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.		70	
Q.1	(a) (b)	Explain the forensic investigation process in detail. Explain DOS and DDOS attacks. How to protect from DOS/DDOS attacks?	07 07	
Q.2	(a) (b)	Explain different types of cyber crimes against organization. What is Social Engineering? Explain various Social Engineering based attacks. <b>OR</b>	07 07	
	(b)	What is SQL Injection? How to prevent SQL Injection Attacks?	07	
Q.3	(a) (b)	Explain Buffer Overflow and Countermeasures. What are challenges to Indian Law and Cybercrime Scenario in India? <b>OR</b>	07 07	
Q.3	(a) (b)	What do you mean by Steganography? Explain about Steganography detection. Discuss Forensic Analysis of E-Mail.	07 07	
Q.4	(a) (b)	Explain File Carving with Tools. Explain Phishing Countermeasures.	07 07	
Q.4	(a) (b)	OR Discuss Credit Card Frauds in Mobile and Wireless Computing. Explain Antiforensics with Tools.	07 07	
Q.5	(a) (b)	What is NonRepudiation? Explain how digital signature can preserve it. Explain Firewall and various types of it.	07 07	
Q.5	(a) (b)	<b>OR</b> Discuss Technical Challenges to understand the Raw Data and its Structure. Explain Forensics Auditing.	07 07	

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