Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER–V • EXAMINATION – WINTER 2013

Subject Code: 650008 Date: 29-11-2013

Subject Name: Cyber Security and Forensics

Time: 02.30 pm - 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)**	Explain Social Engineering	**07**
	(b)	Define the Following terms Key logger , Backdoor, Hacking Bluetooth ,Password Cracking	**07**
Q.2	**(a)**	Explain Botnet with Diagram.	**07**
	(b)	Give the Full Form LDAP, RAS, GPS, IMEI, DoS, DNS, ICMP	**07**
		OR	
	(b)	Explain the terms Reconnaissance, Dumpster Diving, Salami Attack, Smishing.	**07**
Q.3	**(a)**	Explain Authentication Service Security.	**07**
	(b)		
		1) What are the different types of Cyber crime? Explain any two.	**04**
		2) Explain Mishing and Smishing	**03**
		OR	
Q.3	**(a)**		
		1) Explain Classification of Cyber Crimes.	**04**
		2) Write a Short note on Vishing.	**03**
	(b)	Explain SQL Injection?	**07**
Q.4	**(a)**	Explain Buffer overflow.	**07**
	(b)	Explain the importance of Data mining technique for helping in Cyber forensics	**07**
		OR	
Q.4	**(a)**	Explain the amendments to the Indian IT Act in ITA 2008?	**07**
Q.4	**(b)**	Explain Phishing and how it works?	**07**
Q.5	**(a)**	Which are the phases in computer forensics? Explain each in detail?	**07**
	(b)		
		1) Explain chain of custody	**04**
		2) What are Rootkits?	**03**
		OR	
Q.5	**(a)**	Describe the key organizational guidelines on cell phone Forensics	**07**
	(b)		
		1) Which are the guidelines for the collecting digital evidence?	**04**
		2) Explain the concept of "Trust Seal"?	**03**

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