Seat No.: _____ **Enrolment No._____**

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA SEM-V Examination- Dec.-2011

Subject code: 650008 **Date: 19/12/2011**

Subject Name: Cyber Security and Forensics (CFS)

Time: 10.30 am-01.00 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)**	Define the following		
		I	Cybersquatting	**02**
		II	RFC2822	**02**
		III	Cyberlaw	**01**
		IV	D-AMPS	**01**
		V	VoIP Spam	**01**
	(b)	Explain the following with figurative model		
		I	Botnets: the fuel for Cybercrime	**04**
		II	Mobility types and implications	**03**
Q.2	**(a)**	Write a short note on following		
		I	Identity Theft	**04**
		II	Vishing	**03**
	(b)	What is Cyber Crime? Explain any five types of Cybercrimes.		**07**
		OR		
	(b)	Explicate different kinds of attacks possible on Mobile phones.		**07**
Q.3	**(a)**	What is Passive Attacks? Explain different tools for passive attacks.		**07**
	(b)	Clarify the functionality of Keylogger. How can Keyloggers be used to commit a cybercrime?		**07**
		OR		
Q.3	**(a)**	Explain different Authentication Service Security applicable for Mobile Devices.		**07**
	(b)	What is Social Engineering? Explain classification of Social Engineering.		**07**
Q.4	**(a)**	Elaborate Phishing, How phishing works?		**07**
	(b)	Clarify the weak areas of the ITA 2000.		**07**
		OR		
Q.4	**(a)**	Elucidate steganography, differentiate it with cryptography also explain how steaganography works?		**07**
	(b)	Explain how data mining techniques can be applied in cyber forensics?		**07**
Q.5	**(a)**	What is Digital Forensics? Explain the Digital Forensic Life Cycle with its figurative model		**07**
	(b)	What is amended for Cybercafe related matters in ITA of India?		**07**
		OR		
Q.5	**(a)**	Enlighten DDoS attacks, how to protect from DDoS attacks.		**07**
	(b)	Explain the key organizational guidelines on cell phone forensics.		**07**

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