GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER– IV   EXAMINATION – WINTER 2019

Subject Code: 4649309   **Date: 18-11-19**

Subject Name: Cyber Security & Forensic

Time: 10:30 AM TO 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)**	Explain following 1. Password sniffing 2. Identity theft 3. Spamming 4. Email spoofing 5. Cyber stalking 6. Internet time theft 7. Data diddling	**07**
	(b)	What is cybercrime? Explain any six types of cyber crime.	**07**
Q.2	**(a)**	What is cyberstalking? Explain the types of stalkers. How stalking works?	**07**
	(b)	What is Dos attack? How it is performed? Explain classification of Dos Attack .	**07**
		OR	
	(b)	Explain different types of attacks possible on Mobile phone	**07**
Q.3	**(a)**	What is Phishing? How Phishing works? List and Explain types of phishing	**07**
	(b)	Explain Identity Theft in detail with example.	**07**
		OR	
Q.3	**(a)**	Explain strong, weak and random passwords.	**07**
	(b)	What is social engineering? Explain its classification	**07**
Q.4	**(a)**	What are the difference between Trojan and Backdoors? How to protect against Trojan Horse and Backdoor?	**07**
	(b)	1. What is the difference between steganography and cryptography?	**04**
		2. What is the difference between SQL injection and Blind SQL injection?	**03**
		OR	
Q.4	**(a)**	Explain Botnets –A fuel for cybercrime.	**07**
	(b)	What is Virus? How virus spreads? List and Explain types of virus.	**07**
Q.5	**(a)**	Explain forensic analysis of E-mail.	**07**
	(b)	What are the challenges to Indian Law and cybercrime scenario in India?	**07**
		OR	
Q.5	**(a)**	Describe briefly toolkits for hand-held device forensics.	**07**
	(b)	What are the amendments in Indian ITA 2008 for Cyberlaw.	**07**

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