GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER– IV• EXAMINATION – WINTER 2020

Subject Code:4649309   **Date:05/01/2021**
Subject Name:Cyber Security & Forensic
Time:02:00 PM to 04:00 PM   **Total Marks: 56**
Instructions:
1. **Attempt any FOUR questions out of EIGHT questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	(1) Define cybercrime.	**01**
		(2) Classify cybercrime and briefly explain each one.	**06**
	(b)	(1) Define phishing.	**01**
		(2) Explain various phishing techniques.	**06**
Q.2	**(a)**	Give types of cybercrime that may happen in cybercafes. Also discuss type of safety precautions needs to be taken by the owners of cybercafe to prevent cybercrimes.	**07**
	(b)	Differentiate between DoS and DDoS attacks. Explain types of DoS attacks.	**07**
Q.3	**(a)**	Explain types and techniques of credit card frauds.	**07**
	(b)	Define Passive Attack. Explain different tools for passive attack.	**07**
Q.4	**(a)**	Explain steps that cyber criminals follow for the attack.	**07**
	(b)	Explain physical security counter measures for laptops.	**07**
Q.5	**(a)**	(1) Explain software and hardware keyloggers.	**04**
		(2) Write short note on Steganography.	**03**
	(b)	Discuss amendments made in the Indian ITA 2000 with reference to admissibility of electronic records	**07**
Q.6	**(a)**	Explain Identity theft and its types.	**07**
	(b)	Discuss the need of cyber laws with reference to Indian context.	**07**
Q.7	**(a)**	Explain phases in Computer/Digital forensics	**07**
	(b)	Explain mobile phone forensics.	**07**
Q.8	**(a)**	Explain the rules of evidence	**07**
	(b)	Discuss toolkits for Hand held device forensics	**07**

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