GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER VIII- EXAMINATION –SUMMER-2022

Subject Code: 4480608   **Date:07/06/2022**
Subject Name: Cyber Security & Forensics
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)**	How are cyber crimes classified? Explain with example.	**07**
	(b)	Explain the possible attacks on cell phones with examples.	**07**
Q.2	**(a)**	Write Definition of cyber crime and explain terms "Hacking" and "Computer sabotage".	**07**
	(b)	Write short note on cloud computing.	**07**
		OR	
	(b)	Write short note on botnet.	**07**
Q.3	**(a)**	Explain the difference between active and passive attacks.	**07**
	(b)	Explain Proxy Servers, Anonymizers	**07**
		OR	
Q.3	**(a)**	Explain Mishing, Vishing, Smishing.	**07**
	(b)	Write short note on Steganography.	**07**
Q.4	**(a)**	Explain types and techniques of credit card frauds.	**07**
	(b)	Explain the weak area of Indian Information Technology Act, 2000.	**07**
		OR	
Q.4	**(a)**	Explain the modus operandi of Phishing	**07**
	(b)	Discuss DoS attack and its classification.	**07**
Q.5	**(a)**	Explain SQL Injection in detail along with methods to prevent SQL Injection attacks.	**07**
	(b)	Explain the hardware and software features of cell phones.	**07**
		OR	
Q.5	**(a)**	Discuss your views on Strong, Weak and Random passwords.	**07**
	(b)	Discuss relevance of the OSI Layer model to computer forensics.	**07**

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