Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER - VIII EXAMINATION –WINTER-2021

Subject Code: 4480608   **Date: 26/11/2021**
Subject Name: Cyber Security & Forensics
Time: 02:30 PM TO 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 1a	Answer the following: a) Explain web jacking. b) Explain PDA in Forensic. c) Give difference between inside and outside attack. d) Explain salami attack. e) List different purpose of hacking. f) Define worms. g) Explain Blue Bugging.	**07**
Q 1b	a) Explain spam emails and hoax emails. b) Explain types and techniques of credit card frauds.	**03** **04**
Q 2a	Explain Social Engineering with example.	**07**
Q 2b	What are the different types of Cybercrime? Explain any two in detail.	**07**

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OR

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Q 2b	What kinds of attacks are possible on mobile/cell phones? Explain with examples.	**07**
Q 3a	What is cyber stalking? What are the types of stalkers? Provide Example.	**07**
Q 3b	List and explain the categorization of computer viruses based on attacks on various elements of the system.	**07**

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OR

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Q 3a	Analyze the following statements and explain in detail. a) User find the message that his/her account is use to fish for the information. b) Amendments to the Indian IT Act.	**07**
Q 3b	Explain Key logging with its types and appropriate example of key logging tools.	**07**
Q 4a	Describe Authentication Service Security	**07**

Q 4b	Discuss DoS attack and its classification.	**07**

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Q 4a	Describe physical security counter measures for laptops.	**07**
Q 4b	a) Write short note on Steganography. b) What is Spear Phishing? Explain with example.	**04** **03**
Q 5a	Explain different methods of Phishing in detail.	**07**
Q 5b	a) Explain chain of custody. b) Which are the guidelines for the collecting digital evidence?	**04** **03**

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Q 5a	Write short note on Forensics Auditing.	**07**
Q 5b	Explain digital forensic life cycle.	**07**

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