Seat No.: _____   Enrolment No._____

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

Subject Code: 4470621   **Date: 01/12/2021**
Subject Name: Information Security
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)**	What are the goals of security? Explain any Two principal of security goals.	**07**
	(b)	What is computer Crime? Explain any one crime in brief.	**07**
Q.2	**(a)**	What is Vulnerabilities? Explain website Vulnerabilities.	**07**
	(b)	Define following	**07**

        (a) Security Policy
        (b) Piracy
        (c) Hackers
        (d) Virus
        (e) Direct Action Virus.

OR

	(b)	(i) Difference between active attacks and passive attacks.	**03**
		(ii) What is Hackers? Explain Ethical hacking.	**04**
Q.3	**(a)**	Explain Biba security and chinese wall security with example.	**07**
	(b)	Introduction to TCP Session Hijacking and UDP Session Hijacking with Example.	**07**

OR

Q.3	**(a)**	Explain Security Threats in detail.	**07**
	(b)	(i) Explain good security policy	**04**
		(ii) Difference between hacker and cracker with example.	**03**
Q.4	**(a)**	What are the components of security plan?explain with diagram.	**07**
	(b)	(i) Man in the Middle attack using Packet Sniffers	**04**
		(ii) What are the effects of computer piracy? Explain any one.	**03**

OR

Q.4	**(a)**	(i)Explain methodology of hacking.	**03**
		(ii)What is Business Continuity Plan? Explain characteristics of it.	**04**
	(b)	Explain SQL Injection in detail. With commend.	**07**
Q.5	**(a)**	Compare Copyright, Patent and Trade Secret Protection	**07**
	(b)	Explain Characteristics of a good Security policy.	**07**

OR

Q.5	**(a)**	Explain Non-U.S.Privacy Principles.	**07**
	(b)	(i) Explain Identity and Anonymity issues.	**03**
		(ii) what is Vulnerability explain in xss attack with example .	**04**

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