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

Subject Code: 2678603   **Date: 30/11/2021**
Subject Name: Cyber 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 is cyber security? Explain Importance in cyber Security.	**07**
	(b)	What is the cyberspace? Explain security challenges in cyberspace.	**07**
Q.2	**(a)**	What is Vulnerabilities? Explain website Vulnerabilities.	**07**
	(b)	Define following 1. Antivirus 2. Phishing 3. Hacker 4. Vishing 5. Smashing	**07**

OR

	(b)	(i) Difference between active attacks and passive attacks.	**03**
		(ii) What is Hackers? Explain Ethical hacking.	**04**
Q.3	**(a)**	Classification email spoofing and email spam. Explain types of email spam.	**07**
	(b)	What is the need of security in mobile computing? Explain private step.	**07**

OR

Q.3	**(a)**	What is the deep Web? Explain types of deep web.	**07**
	(b)	(i) Explain good security policy	**04**
		(ii) Difference between hacker and cracker with example.	**03**
Q.4	**(a)**	How secure and anonymous is the dark web? Can it be cracked?	**07**
	(b)	Define following any Three 1. Buffer Overflows 2. Fast-Flux 3. Threat Infrastructure 4. Botnets	**07**

OR

Q.4	**(a)**	(i) Explain Disk and file System Analysis tools.	**03**
		(ii) What is Malicious code Explain Self –Replicating Malicious Code.	**04**
	(b)	Explain SQL Injection in detail. With commend.	**07**
Q.5	**(a)**	What is the main goal of forensic investigation? Explain its types.	**07**
	(b)	Define following any Two 1. Cryptocurrency 2. Dictionary Attacks 3. DOS attack	**07**

OR

	(b)	(i) What are items of forensic importance in Windows?	**03**
		(ii) What are the different artifacts used for Windows System Forensic?	**04**

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