

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA INTEGRATED- SEMESTER- VII EXAMINATION- WINTER 2024

Subject Code: 2678603

Date: 22/11/2024

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.

		Marks
Q.1	(a) Define Cyber Crime. Explain the classification of cybercrime.	07
	(b) Explain meaning of Vulnerabilities. Explain website Vulnerabilities.	07
Q.2	(a) Explain concept of antiforensics.	07
	(b) Explain Fast-Flux & Advanced Fast-Flux Exploitation.	07
OR		
Q.3	(b) Describe Phishing, smishing and vishing with examples.	07
	(a) Explain stack-based buffer overflows, format string vulnerabilities and SQL injection.	07
Q.3	(b) Discuss crypto currency and darknets in detail	07
	OR	
Q.3	(a) Explain brute force and dictionary attacks.	07
	(b) Explain malicious PDF Files Race Conditions.	07
Q.4	(a) Write a short note on Email spam.	07
	(b) Explain "Digital Forensic" and the Digital Forensics Process.	07
OR		
Q.4	(a) Explain hashing and Carving.	07
	(b) Explain Disk and File System Analysis & Media Analysis.	07
Q.5	(a) Explain Windows File Systems, Registry & Event Logs.	07
	(b) Explain reconnaissance with reference to cyber security. Also explain any technique used for it.	07
OR		
Q.5	(a) Explain Botnets, DoS attack and DDoS attack.	07
	(b) Explain Tunnelling Techniques.	07
