

Enrolment No./Seat No _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER- VI EXAMINATION – SUMMER 2026

Subject Code:3163213

Date:26-05-2026

Subject Name: Cyber Crime and Mitigation

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.
4. Simple and non-programmable scientific calculators are allowed.

		Marks
Q.1	(a) What do you mean by Cyber Crime and who are Cyber Criminals?	03
	(b) Differentiate Cyber Security and Information Security.	04
	(c) Explain Indian IT act 2000 and its amendments in 2008.	07
Q.2	(a) Explain Cryptojacking in brief.	03
	(b) What is Identity Theft and Computer Sabotage?	04
	(c) Explain phishing and vishing,in Detail.	07
	OR	
	(c) Explain Computer Network Intrusion.	07
Q.3	(a) Discuss pros and cons of firewall.	03
	(b) Compare windows host-based firewall and Linux host-based firewall.	04
	(c) Explain firewall and its types in detail.	07
	OR	
Q.3	(a) Define security bugs and vulnerabilities.	03
	(b) Explain Social Engineering and E-mail Spoofing.	04
	(c) Explain program threats and system threats in brief.	07
Q.4	(a) Explain about penetration testing in brief.	03
	(b) Explain different types of hackers in the society.	04
	(c) Explain Mobile OS security and privacy issues in brief.	07
	OR	
Q.4	(a) Explain any anti-virus for windows operating system.	03
	(b) Explain Ip-Table in brief.	04
	(c) List and Explain Authentication methods in brief.	07
Q.5	(a) What is WIFI? Discuss advantages and disadvantages of WIFI.	03
	(b) What do you mean by Network Isolation? Why there is need of that?	04
	(c) Explain about Network attacks in detail.	07
	OR	
Q.5	(a) Explain File Encryption and Disk Encryption.	03
	(b) Evaluate threat detection and monitoring in detail.	04
	(c) Write a short note on End-Point-Protection for organization security.	07