

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI EXAMINATION – SUMMER 2025

Subject Code:3163213

Date:26-05-2025

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) Define E-mail spoofing and Password Sniffing.	03
(b) Explain Darknet and Dark Markets in detail.	04
(c) Explain Indian ITA 2000 in detail.	07
Q.2 (a) Define Software piracy.	03
(b) What can be the survival mantra for Netizens?	04
(c) Explain network-based firewalls in detail.	07
OR	
(c) Explain IP-Table in detail.	07
Q.3 (a) Explain Icefloor in brief.	03
(b) Discuss advantages and disadvantages of firewall.	04
(c) Differentiate Host based and Network based firewall in detail.	07
OR	
Q.3 (a) Define vulnerabilities in OS.	03
(b) What is penetration testing?	04
(c) Explain Mobile OS security and privacy issues in brief.	07
Q.4 (a) Define cybercrime and extended enterprise.	03
(b) Explain about Network Isolation.	04
(c) Explain about Network attacks in detail.	07
OR	
Q.4 (a) Define Wi-Fi weaknesses.	03
(b) Differentiate Authentication and Authorization.	04
(c) List and explain Authentication methods in brief.	07
Q.5 (a) Define social engineering in context with cybercrime.	03
(b) Explain types of security attacks.	04
(c) Explain Symmetric and Asymmetric encryption and decryption.	07
OR	
Q.5 (a) What should be the requirements of next generation antivirus.	03
(b) What do you mean by cyber criminals?	04
(c) Explain program threats and system threats in brief.	07
