

GUJARAT TECHNOLOGICAL UNIVERSITY
M.SC(CS)- INTEGRATED – SEMESTER V- EXAMINATION – WINTER-2024

Subject Code:1350304

Date: 27/11/2024

Subject Name: Fundamental of 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.
4. Use of simple calculators and non-programmable scientific calculators are permitted.

		Marks	
Q.1	(a) What is vulnerability scanning?	03	
	(b) Explain banner on a web server?	04	
	(c) Explain SQL injection.	07	
Q.2	(a) What is webgoat?	03	
	(b) Explain stateless Vs stateful firewalls.	04	
	(c) Explain wireshark features.	07	
OR			
Q.3	(c) Explain network address translation.	07	
	(a) Explain DDOS attack.	03	
	(b) What is Nikto and it's usages?	04	
Q.3	(c) Explain Netcat and Socat.	07	
	OR		
	(a) What is W3af?	03	
Q.4	(b) What is port? Explain open port.	04	
	(c) What is cyber crimes? Explain types of cybercrime.	07	
	(a) Explain term contemporary crimes.	03	
Q.4	(b) Explain Snort-network intrusion detection & prevention system.	04	
	(c) Explain Keyloggers and Spyware	07	
	OR		
Q.4	(a) What is digital forensics.	03	
	(b) Explain packet filter Vs firewall.	04	
	(c) What is password cracking and brute force tools John the Ripper?	07	
Q.5	(a) What is L0htcrack.	03	
	(b) Explain virtual private networks.	04	
	(c) What is firewall? How a firewall protects a network.	07	
OR			
Q.5	(a) What is DVWA.	03	
	(b) Explain Kismet: Wireless network monitoring tool.	04	
	(c) Explain OpenSSL.	07	
