

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-V (NEW) EXAMINATION – WINTER 2024

Subject Code:3150714

Date:25-11-2024

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

	MARKS
Q.1 (a) Write short note on Nmap.	03
(b) Elaborate passive attacks and active attacks in terms of Cyber crime.	04
(c) Explain different characteristics and functionality provided by Wireshark.	07
Q.2 (a) What is vulnerability in the Cyber Security.	03
(b) Define: (i)WinRelay (ii)Fpipe (iii)Datapipe (iv)Traffic Probe	04
(c) Explain OpenVas in detail with its advantages and disadvantages.	07
OR	
(c) Explain Ettercap and Hping Kismet	07
Q.3 (a) Define: Curl, OpenSSL and Stunnel	03
(b) Compare packet filter and firewall.	04
(c) What is a DVWA? Explain SQL injection in DVWA with example in detail.	07
OR	
Q.3 (a) Write a short note on 'Nikto'.	03
(b) Introduce: Password cracking and brute force tools. Then give details of any one them.	04
(c) Describe the Snort as a network monitoring tool.	07
Q.4 (a) Elaborate the purpose of Indian IT ACT 2000.	03
(b) Explain the need of Digital Forensics.	04
(c) What is Hacking? Explain types of Hackers.	07
OR	
Q.4 (a) List out different types of traditional problems associated with Computer Crime.	03
(b) What is attack vector? List out various types of attack vector.	04
(c) What is Cybercrime? Explain different types of Cybercrimes in detail.	07
Q.5 (a) Explain Buffer Overflow attack.	03
(b) Define: SQL Injection attack. Give various ways to prevent it.	04
(c) Describe tools to perform attacks on a wireless network.	07

OR

- Q.5** (a) Differentiate DOS and DDOS attack. **03**
- (b) What is destruction of data? List out the different reason for it. **04**
- (c) Define: Cyber Crime. Provide short detail of various types of Cyber Crime. **07**
