Seat No.: _____ Enrolment No.____

GUJARAT TECHNOLOGICAL UNIVERSITY

Date: 23/06/2023

BE – SEMESTER- V EXAMINATION-SUMMER 2023

Subject Code: 3150714

Subject Name: Cyber Security			
		2:30 PM TO 05:00 PM Total Marks: 70	
Inst	1. 2. 3. 4.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. Simple and non-programmable scientific calculators are allowed.	Mark
Q.1	(a)	Define System and Web Vulnerability.	03
	(b)		04
	(c)	Describe Nmap. Explain different functionality with its command in detail.	07
Q.2	(a)	Define Snort.	03
	(b) (c)	Differentiate between Stateful and Stateless firewalls. Explain Network Sniffers with suitable example.	04 07
		OR	
	(c)	Define NAT. Describe Port Forwarding with its types in detail.	07
Q.3	(a)	Explain Curl, OpenSSL and Stunnel.	03
	(b)	Define Password cracking and Brute force tools. Explain any one in brief.	04
	(c)	Describe DVWA. Explain SQL injection in DVWA with example in detail.	07
		OR	
Q.3	(a) (b)	Explain following terms: 1. Datapipe 2. Fpipe 3.WinRelay 4.Traffic	03 04
	(c)	Probe Discuss the Web Vulnerability tools in detail.	07
Q.4	(a)	<u> </u>	03
	(b) (c)	Explain IT Act, 2000. List out and discuss different sections under IT	04 07
		Act, 2000 in detail. OR	
Q.4	(a)		03
	(b)	-	04
	(c)	Discuss Attack vector. List out different types of Attack vector.	07
Q.5	(a)	Explain SQL Injection.	03
	(b)		04
	(c)	Explain Virus, Worms, Trojan Horses and Backdoors in detail with example.	07
Q.5	(a)	OR Explain Steganography with example.	03
	(b)		03
	(c)	Describe DOS and DDOS attack with suitable example.	07