GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–V (NEW) EXAMINATION – WINTER 2021

Subject Code:3150714   **Date:15/12/2021**
Subject Name:Cyber Security
Time:02:30 PM TO 05:00 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)**	Explain Vulnerability Scanning.	**03**
	(b)	Define the term in briefly: (i) Open Port Identification (ii) Banner Check	**04**
	(c)	Describe Network Sniffers and Injection Tool. Explain any two injection tools in brief.	**07**
Q.2	**(a)**	Define Network Address Translation.	**03**
	(b)	What is Probe. Explain its different types.	**04**
	(c)	Differentiate between Packet Filter and Firewall.	**07**
		OR	
	(c)	Differentiate between Stateless and Stateful Firewalls.	**07**
Q.3	**(a)**	Define Snort.	**03**
	(b)	What are the different usages of Network Sniffers? List out it.	**04**
	(c)	List out various Application Inspection tools. Explain any two.	**07**
		OR	
Q.3	**(a)**	How do you protect Wireless Network?	**03**
	(b)	What do you mean by Password cracking and brute force tools? Explain any one in brief.	**04**
	(c)	What are the different kinds of Web Vulnerabilities Tools available? Explain any two in brief.	**07**
Q.4	**(a)**	Define Denial-of-Service.	**03**
	(b)	Justify the attack vector. List out different types of attack vector.	**04**
	(c)	What is Firewall and illustrate its different types.	**07**
		OR	
Q.4	**(a)**	Illustrate the aim and objective of Indian IT ACT 2000.	**03**
	(b)	List out different types of Traditional Problems Associated with Computer Crime.	**04**
	(c)	What is Incident Response. Explain it process flow with appropriate diagram.	**07**
Q.5	**(a)**	Define the term: (i)Trojan Horse (ii)Spyware	**03**
	(b)	What is Destruction of Data. List out the different reason for it.	**04**
	(c)	What are the Cyber-Crime Scenarios and explain its applicability for Legal Sections?	**07**
		OR	
Q.5	**(a)**	What is Keyloggers? Explain different types of Keyloggers.	**03**
	(b)	Differentiate between Computer Viruses and Worms.	**04**
	(c)	Define the Cyber Crime in your own word. Explain the different type of classification of Cyber Crime.	**07**

****