P P SAVANI UNIVERSITY

Fifth Semester of B.Sc. (IT) Examination

December 2022

SSIT3510 Cyber Security

25.11.2022, Friday   Time: 10:00 a.m. To 12:30 p.m.   Maximum Marks: 60

Instructions:
1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

SECTION – I

			CO	BTL
Q - 1	Explain Following Terms:	[05]		
(i)	Cyber		2	2
(ii)	Stegnography		2	3
(iii)	Virus		3	2
(iv)	Scareware		3	2
(v)	Botnet		1	2
Q - 2 (a)	What is Cyber Threat? List cyber threats and explain any one of it.	[05]	1	2
Q - 2 (b)	What is DDoS attack? How DDos attack occurs? List tools for Dos Attack.	[05]	4	4
	OR			
Q - 2 (a)	What is Malvertising? How Malvertising works? List Steps to prevent it.	[05]	1	4
Q - 2 (b)	Discuss Cyber Warefare and its types.	[05]	4	1
Q - 3 (a)	What is Internet Governance? Explain Governing bodies of Internet.	[05]	2	1
Q - 3 (b)	What is Vulnerability Scanning? Explain types of Vulnerability Scanners.	[05]	3	4
	OR			
Q - 3 (a)	What is OWASP? List Top 10 Web Application Security risks.	[05]	4	1
Q - 3 (b)	Discuss the principles of Intrusion detection.	[05]	3	1
Q - 4	Discuss DVWA,.Zenmap, Wireshark.	[05]	3	3

SECTION – II

			CO	BTL
Q - 1	Explain following Terms:	[05]		
(i)	Cyberspace		4	2
(ii)	CERT		4	1
(iii)	Cyber Security		1	3
(iv)	Cryptography		3	3
(v)	Cyber Law		2	1
Q - 2 (a)	Explain types of Firewall.	[05]	3	2
Q - 2 (b)	Discuss Cyber crime against organization.	[05]	2	1
	OR			
Q - 2 (a)	What is a Firewall? What a Firewall can do?	[05]	2	1
Q - 2 (b)	Explain Cyber crime against Society.	[05]	2	1
Q - 3 (a)	Discuss Indian IT Act 2000.	[05]	2	1
Q - 3 (b)	What is Attack Vector? Explain types of it.	[05]	3	2
	OR			
Q - 3 (a)	What is Cyber Forensics?	[05]	2	1
Q - 3 (b)	List the Traditional problems for enforcing cyber security.	[05]	4	2

Q - 4   What is the need of International convention on Cyber Space.   [05]   2   2

****

CO   : Course Outcome Number   BTL   : Blooms Taxonomy Level

Level of Bloom's Revised Taxonomy in Assessment

1: Remember	2: Understand	3: Apply
4: Analyze	5: Evaluate	6: Create