O.P.Code: 20CS1016	R20	H.T.No.									

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech. IV Year I Semester Regular & Supplementary Examinations December-2024
INFORMATION SECURITY MANAGEMENT
CSE (Internet of Things and Cyber security Including Block Chain Technology)

Time: 3 Hours **Max. Marks: 60**

(Answer all Five Units **5 x 12 = 60** Marks)

UNIT-I

1	a	What is Security? Outline the security layers, a successful organization should have.	CO1	L2	6M
	b	List the types of end users and assess how security management helps them.	CO1	L5	6M
		OR			
2	a	Differentiate Subject of the Attack and Object of the Attack.	CO1	L4	6M
	b	Distinguish Top-Down approach and Bottom-up approach.	CO1	L4	6M
		UNIT-II			
3	a	Explain in detail about Threats and Categorize it in detail with examples.	CO2	L4	6M
	b	How to identify Vulnerability in Information. Deduce with steps in it.	CO2	L5	6M
		OR			
4	a	How an organization protects the collected data before using it.	CO2	L2	6M
	b	What are the steps in protecting the functionality of an organization? Explain.	CO2	L2	6M
		UNIT-III			
5	a	Explain in detail about Risk Identification and steps in it.	CO3	L2	6M
	b	Examine the Risk Factors of Information Security in detail.	CO3	L4	6M
		OR			
6	a	Discuss in detail about Risk Control and its Strategies.	CO4	L2	6M
	b	Identify and Prioritize the Threats and Threat Agents with example.	CO4	L3	6M
		UNIT-IV			
7		Differentiate in detail about Policy, Standard and Practices with neat diagram.	CO5	L3	12M
		OR			
8	a	Identify the Objectives and drawbacks of ISO 17799.	CO5	L3	6M
	b	Dissect in detail about the sections in ISO/IEC 17799.	CO5	L4	6M
		UNIT-V			
9		Organize Firewall categorization methods in detail.	CO6	L4	12M
		OR			
10	a	Define Cryptography and explain the taxonomy of Security Goals.	CO6	L2	6M
	b	Explain the Security Services provided by Cryptography.	CO6	L2	6M

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