PRN:		Course Code :	CST25047

Third Year **B. Tech CSE** End Semester Examination Winter 2023

Program Vertical -I (Cyber Security)

Day and Date: wednesday, 06/12/2023 Max Marks: **100**

Time : 10.30am to 1.30pm Duration: **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Define and explain information security with example.	08	L2	CO1
	b)	Define and explain OSI model with diagram.	08	L3	CO1
		OR			
	b)	Draw and Explain different types of Attacks.	08	L3	CO1
Q.2		**Attempt the following**			
	a)	Explain e-commerce security and its dimensions.	08	L2	CO2
	b)	Evaluate term classification of cybercrime.	08	L3	CO2
		OR			
	b)	Explain term Privacy and example with respect to social media.	08	L3	CO3
Q.3		**Attempt any two from the following**			
	a)	Distinguish between hacking & cracking.	08	L4	CO2
	b)	What is Unauthorized Access? Explain weak passwords.	08	L2	CO3
	c)	Explain Prevention techniques against unauthorized access.	08	L2	
Q.4		**Attempt any two from the following**			
	a)	Discuss different methods of encryption. (Symmetric, Asymmetric, Hashing).	08	L4	CO3
	b)	Make a use of IP tracking to explain how IP addresses are tracked.	08	L3	CO3
	c)	Difference between secret key encryption and public key encryption.	08	L2	CO3
Q.5		**Attempt any Two of the following**			
	a)	Explain Cryptography in detail with diagram.	09	L3	CO4
	b)	Predict term password cracking with its techniques.	09	L4	CO4
	c)	Explain social engineering attacks.(Phishing)	09	L2	CO5
Q.6		**Attempt any Two of the following**			
	a)	Analyze terms SSL and TLS.	09	L2	CO5
	b)	Describe the term cyber resilience with its diagram.	09	L3	CO6
	c)	Determine the term cyber law with its importance.	09	L2	CO6

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