USN ☐☐☐☐☐☐☐☐☐☐ **BETCK205I**

Second Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025
Introduction to Cyber Security

Time: 3 hrs. Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

		Module – 1	M	L	C
Q.1	a.	What is Cyber Crime? Write all the alternative definitions including specific definitions.	10	L1	CO1
	b.	Explain in brief about cyber crime an Indian perspective.	10	L1	CO1
		OR			
Q.2	a.	What is Cyber Security? What are cyber criminals and how are they categorized.	10	L1	CO1
	b.	Write a note on pornographic offenses. Explain in steps how Paedophiles operate.	10	L1	CO1
		Module – 2			
Q.3	a.	Explain in brief i) Email spoofing ii) Forgery iii) Software privacy iv) Salami attack v) spamming.	10	L2	CO2
	b.	What is Attack Vector? List and explain how they are Launched?	10	L2	CO2
		OR			
Q.4	a.	List and explain steps/phases involved in planning Attacks.	10	L1	CO2
	b.	Define Social Engineering. List and explain the classification of social engineering.	10	L2	CO2
		Module – 3			
Q.5	a.	Explain proxy server with its purposes and list the difference between proxy server and anonymizer.	10	L2	CO3
	b.	Define virus. Explain the types of virus and list the difference between virus and worms.	10	L2	CO3
		OR			
Q.6	a.	Define back door? List the function of backdoors and differentiate between steganography and cryptography.	10	L2	CO3
	b.	Define DOS attack. List DOS attacks, explain any two types of level of DOS attack and differentiate between DOS and DDOS.	10	L2	CO3
		Module – 4			
Q.7	a.	What is phishing? Explain the methods involved.	10	L2	CO4
	b.	List the types of ID theft and techniques. Explain types of techniques of ID Identify theft.	10	L2	CO4

		OR			
Q.8	**a.**	List and explain the types of phishing scams.	10	L2	CO4
	b.	Write a note on spear phishing and explain phishing techniques.	10	L2	CO4
		Module – 5			
Q.9	**a.**	What is Computer forensics? Explain the need for computer forensics.	10	L2	CO5
	b.	Explain the historic background of cyber forensics.	10	L2	CO5
		OR			
Q.10	**a.**	Explain the digital forensics life cycle with a neat block diagram.	10	L2	CO5
	b.	List and explain the phases involved in computer forensics.	10	L2	CO5

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