CBCS SCHEME

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Second Semester B.E./B.Tech. Degree Examination, June/July 2023
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.	List the various cyber crime against organization and explain any four in detail.	10	L1	CO1
	b.	Who are cyber criminals? Write the three groups in cyber criminals.	7	L1	CO1
	c.	Discuss cyber crime in legal perspectives.	3	L1	CO1
		OR			
Q.2	a.	Explain any five cyber crime against individual.	10	L2	CO1
	b.	Explain credit card frauds, intellectual property crimes and internet time theft.	6	L2	CO1
	c.	Write a short note on "Indian legal perspective on cybercrime.	4	L1	CO1
		Module – 2			
Q.3	a.	What is Social Engineering? Discuss Human based Social Engineering with a suitable examples.	10	L1	CO2
	b.	Explain any five tools used during passive attack.	10	L2	CO2
		OR			
Q.4	a.	Define cyber stalking. Explain two types of stalkers.	8	L2	CO2
	b.	List and briefly explain any six tips for safety and security measures while using the computer in cyber café.	6	L1	CO2
	c.	What are the different attacks launched with attack vector? Explain.	6	L1	CO2
		Module – 3			
Q.5	a.	What are software and hardware keyloggers? List the advantages of using anti keylogger.	8	L1	CO3
	b.	What is phishing? How phishing works?	6	L1	CO3
	c.	Explain how to protect from Trojan Horses and Backdoors.	6	L2	CO3

OR

Q.6	a.	What is Virus? Discuss various types of viruses categorized based on attacks on various elements of the system.	8	L1	CO3
	b.	What are the preventive measures from being a victim of DOS/DDOS attacks?	6	L1	CO3
	c.	Summarize traditional techniques of attacks on wireless networks.	6	L1	CO3

Module – 4					
Q.7	a.	Explain five phishing techniques used by phishers to launch phishing attacks.	10	L2	CO4
	b.	Recall various types of phishing scams.	10	L1	CO4

OR

Q.8	a.	What is identify theft? Explain any four types of identity theft.	10	L2	CO4
	b.	What is Whaling? Explain the difference between whaling and spear phishing.	10	L2	CO4

Module – 5					
Q.9	a.	Explain the following phases of Forensics life cycles: i) Preparation and Identification ii) Storing and Transporting.	10	L2	CO5
	b.	Explain how the chain of custody concept applies in computer/digital forensics.	6	L2	CO5
	c.	Write short notes on network forensics.	4	L1	CO5

OR

Q.10	a.	Explain five different types of digital analysis that can be performed on the captured forensics evidence.	10	L2	CO5
	b.	Explain process model for understanding a seizure and handling of forensics evidence legal framework with neat diagram.	10	L2	CO5

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