CBCS SCHEME

USN

First Semester B.E./B.Tech. Degree Examination, June/July 2024
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.	Define Cyber Crime. Briefly explain Techno Crime and Techno Vandalism.	6	L2	CO1
	b.	Describe the classification of Cyber Criminals.	6	L2	CO1
	c.	Write short notes on : (i) Salami Attacks (ii) E-mail spoofing	8	L2	CO1
		OR			
Q.2	a.	Define Spamming. Explain Spamming with an example.	6	L2	CO1
	b.	Identify the Cyber Crime, ITA 2000 section and Punishment for each of the following Scenarios : (i) A law firm in India discovered that someone copied the code of its website abc.com, changed the "India" reference to Russia and routed to fake site. (ii) Publishing on offensive statement against a person on a social networking site.	6	L3	CO1
	c.	Define child Pornography. Explain the steps that the Pedophiles use to operate with respect to child Pornography offenses.	8	L2	CO1
		Module – 2			
Q.3	a.	List the categories of Vulnerabilities that the hackee tries to exploit in case of a network attack with a neat diagram.	10	L2	CO2
	b.	Define Attack Vector. Describe the different Attack vector approaches used by Cyber Criminals for launching Cyber attacks.	10	L2	CO2
		OR			
Q.4	a.	Define Reconnaissance. Describe Active and Passive attacks with examples for each.	10	L2	CO2
	b.	Define Social Engineering. Describe the classification of Social Engineering and their impact.	10	L2	CO2
		Module – 3			
Q.5	a.	Define Password Cracking. List the guidelines to be followed by end users to avoid password cracking.	10	L2	CO3
	b.	List the steps to be taken by the individuals in order avoid from being a victim of DOS / DDOS attacks. Explain.	10	L2	CO3
		OR			
Q.6	a.	Define Key logger. Describe the classification of Key logger with an example for each.	10	L2	CO3
	b.	Define Trojan Horse and back doors. List the steps to be followed for protecting against Trojan Horse and back doors.	10	L1	CO3

		Module – 4			
Q.7	a.	List and describe any five phishing techniques.	10	L2	CO4
	b.	List and describe the different types of phishing scams.	10	L2	CO4
		OR			
Q.8	a.	List and describe any five Myths and Facts about identify Theft.	10	L2	CO4
	b.	List and describe the different types of classified and non-classified personal information.	10	L2	CO4
		Module – 5			
Q.9	a.	List the guidelines to followed for Digital Evidence collection phase. Explain.	10	L2	CO5
	b.	With a neat diagram, explain the legal framework for Digital Evidence documentation.	10	L2	CO5
		OR			
Q.10	a.	List and describe the phase-wise activities / processes and the outputs of Digital Forensics.	10	L2	CO5
	b.	With a neat diagram and examples, explain the concept of chain of custody in Digital Forensics.	10	L2	CO5

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