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BETCK105I

First 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.	Define Cyber Crime. Discuss about cyberpunk and cyberterrorism.	8	L2	CO2
	b.	List the various cybercrime against property and against organization.	6	L2	CO3
	c.	What is Spam? Interpret the difficulties involved to control spamming.	6	L3	CO3
		OR			
Q.2	a.	Who are cyber criminals? Discuss three groups of cyber criminals.	8	L2	CO1
	b.	Discuss about cyber defamation in detail.	6	L2	CO2
	c.	Explain credit card frauds and pornographic offenses in detail.	6	L2	CO3
		Module – 2			
Q.3	a.	What is Social Engineering? Discuss human based Social Engineering with a suitable example.	8	L3	CO2
	b.	Explain the different phases involved in planning cyber crime.	6	L2	CO3
	c.	Explain any six tips for safety and security while using computer in a cybercafé.	6	L2	CO3
		OR			
Q.4	a.	Define Cyber Stalking. Discuss the difference between types of stalkers.	6	L2	CO2
	b.	What is an attack vector? Describe various attack vectors in detail.	6	L2	CO3
	c.	Define Botnet. With a neat diagram, explain how botnets create business.	8	L2	CO3
		Module – 3			
Q.5	a.	What are software key loggers and Anti Key loggers? List the advantages of using anti key loggers.	6	L1	CO2
	b.	What is Proxy Server? How does proxy server is operated? Explain it's significance.	8	L3	CO4
	c.	What is Malware? Discuss how Malwares are classified.	6	L2	CO3

OR					
Q.6	**a.**	Discuss various types of viruses categorized based on attacks on various elements of the system.	6	L3	CO2
	b.	Differentiate between weak and strong password.	6	L3	CO3
	c.	Discuss 4 types of DOS attacks.	8	L2	CO3
Module – 4					
Q.7	**a.**	Explain the different methods used by the Phisher to reveal personal information on internet.	10	L2	CO2
	b.	Discuss various types of phishing scams.	10	L2	CO3
OR					
Q.8	**a.**	How does phishers use various techniques to launch phishing attacks?	6	L3	CO2
	b.	Discuss any 5 different types of identity theft technique.	10	L2	CO3
	c.	Explain the myths and facts about identity theft.	4	L2	CO4
Module – 5					
Q.9	**a.**	Explain the guidelines to be followed during the digital evidence collection phase.	8	L2	CO2
	b.	Discuss how fake email is detected using forensics analysis.	6	L3	CO3
	c.	What is chain of custody? Explain with an example.	6	L2	CO3
OR					
Q.10	**a.**	With a neat diagram, explain digital forensics life cycle model.	8	L2	CO3
	b.	Describe the need for concept of computer forensics.	6	L2	CO3
	c.	Explain network forensics in detail.	6	L2	CO2

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