MAKE-UP EXAM

BETCK105I/BETCKI105

First Semester B.E./B.Tech. Degree Examination, Nov./Dec. 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.

			M	L	C
Module – 1					
Q.1	a.	List and explain the different types of cyber criminals.	6	L1	CO1
	b.	Illustrate how a cyber-crime effects on individuals.	7	L2	CO1
	c.	Explain cyber crime against property.	7	L2	CO1
OR					
Q.2	a.	Most of the cyber criminals prefer cyber cafes to carry out their activities. Justify.	7	L2	CO2
	b.	Explain how cyber criminals plan for society.	7	L2	CO2
	c.	Define the following: (i) Hacker (ii) Brute force hacking (iii) Cracker	6	L1	CO2
Module – 2					
Q.3	a.	Explain the following with an example: (i) Phishing (ii) Spear phishing (iii) Smishing (iv) Email spoofing (v) Spamming	15	L2	CO1
	b.	What is Botnet? List the different types of Botnets.	5	L1	CO1
OR					
Q.4	a.	With an example, explain active attackers and passive attackers.	7	L2	CO2
	b.	Explain how criminals plan for the crime.	7	L2	CO2
	c.	Define the following: (i) Malware (ii) Adware (iii) DDOS	6	L1	CO2
Module – 3					
Q.5	a.	What are Trojan horses? Describe working behaviour of Trojan horses in a personal computer.	7	L1	CO3
	b.	Write a short note on software key loggers and hardware key loggers.	7	L1	CO3
	c.	List and explain different types of viruses in a computer.	6	L2	CO3
OR					
Q.6	a.	Mention the password guidelines to secure our account while dealing with financial account and email account.	8	L3	CO3
	b.	What is steganography and stegnalysis? Explain.	6	L2	CO3
	c.	List and explain the different types of DOS attacks.	6	L2	CO3
Module – 4					
Q.7	a.	What is identity theft? Explain with a suitable example.	10	L1	CO4
	b.	How to prevent being a victim of ID theft?	10	L2	CO4
OR					

Q.8	a.	What are the different techniques of ID theft?	6	L1	CO4
	b.	Explain human based ID theft and computer based ID theft techniques.	6	L2	CO4
	c.	What is spy phishing? Explain the counter measures of phishing.	8	L2	CO4

Module – 5

Q.9	a.	Explain some of the best practices in handling digital evidence.	7	L2	CO5
	b.	Explain how the chain of custody concept applies in a computer/digital forensics.	7	L2	CO5
	c.	What would be the nature of evidence collected for a network forensics?	6	L1	CO5

OR

Q.10	a.	Explain the importance of strong documentation in cyber forensics profession.	6	L2	CO5
	b.	Mention the differences between digital forensics and computer forensics.	6	L2	CO5
	c.	What are the various phases and activities involved in the life cycle of a forensics investigation process?	8	L1	CO5

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