USN ☐☐☐☐☐☐☐☐☐☐ **BETCK105I/BETCKI105**

First Semester B.E./B.Tech. Degree Examination, Jan./Feb. 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.	Define Cybercrime and Cyber security. List and explain categories of cyber criminals.	10	L1	CO1
	b.	List and explain classification of cybercrimes.	10	L2	CO1
		OR			
Q.2	a.	List and explain the hacking and the Indian law under Indian ITA 2000 Cyber crimes.	10	L2	CO1
	b.	Write note on: i) Cyber defamation ii) Salami attack iii) Hacking iv) Software piracy v) Mail bombs.	10	L1	CO1
		Module – 2			
Q.3	a.	Explain the difference between passive and active attacks provide tools as example.	10	L2	CO2
	b.	What is Social engineering? Explain Human based and Computer based Social engineering.	10	L2	CO2
		OR			
Q.4	a.	What is Cyber stalking? Name the two types of stalkers and explain how stalking works.	10	L2	CO2
	b.	What is Zombie network? What are the different attacks launched with attack vector? Explain.	10	L2	CO2
		Module – 3			
Q.5	a.	What are the different stages during the attack on the network?	10	L1	CO3
	b.	What is the difference between proxy server and an anonymizer?	4	L1	CO3
	c.	What are the different ways of password cracking?	6	L1	CO3

		OR			
Q.6	a.	What is the difference between a virus and a worm? List the types of virus and explain.	10	L1	CO3
	b.	What is Trojan Horses and Backdoors? How to protect from Trojan Horses and Backdoors.	10	L1	CO3

		Module – 4			
Q.7	a.	What is Phishing? What are the different methods of phishing attack?	10	L1	CO4
	b.	What is spear phishing? Explain with example.	4	L2	CO4
	c.	List and explain any 6 types of phishing scams.	6	L2	CO4

		OR			
Q.8	a.	What is identity theft? Give example.	2	L2	CO4
	b.	What are the different type of identity theft? Explain.	8	L2	CO4
	c.	What are the different techniques of ID theft?	10	L1	CO4

		Module – 5			
Q.9	a.	Explain the following terms: i) Confidentiality ii) Integrity iii) Availability	3	L2	CO5
	b.	Define computer forensic and digital forensic. List the roles of digital forensics.	7	L1	CO5
	c.	Explain the guidelines to be followed during the digital evidence collection phase.	10	L2	CO5

		OR			
Q.10	a.	Draw a block diagram for the process to capture and handle forensic evidence.	4	L3	CO5
	b.	Explain the activities involved in the process of forensics.	8	L2	CO5
	c.	Elaborate on the chain of custody.	8	L3	CO5

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