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EAST POINT COLLEGE OF ENGINEERING & TECHNOLOGY
An Autonomous Institution Affiliated to Visvesvaraya Technological University (VTU) Belagavi

USN | | | | | | | | | | |

EPETK105I/EPETK205I

First/Second Semester B.E. Degree Examination, June 2026
INTRODUCTION TO CYBER SECURITY

TIME:3 hrs. Max.Marks:100

Note: 1. Answer any FIVE full questions, choosing ONE 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 the classification of cybercrimes.	10	L2	CO1
		OR			
Q.2	a	List and explain the hacking and the Indian law under Indian ITA 2000 cybercrimes.	10	L2	CO1
	b	Write note on: i) Cyber defamation ii) Salami attack iii) Hacking iv) Software piracy v) Mail Bomb	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 types 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 role 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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