

CBCS SCHEME

USN

--	--	--	--	--	--	--	--	--	--	--

BETCK105I

First Semester B.E/B.Tech. Degree Examination, June/July 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
1	a.	Discuss the classification of cyber crime. Explain the different types of cyber crime towards an individual and property.	10	L2	CO1
	b.	Explain the Botnet Menace with diagram.	6	L2	CO2
	c.	Elaborate two types of Attacks in cyber security.	4	L2	CO1
OR					
2	a.	Discuss the purpose of hacking. Explain hacking with examples.	10	L2	CO2
	b.	Explain Spamming. Mention its types.	6	L2	CO2
	c.	Who are Cybercriminals? Explain its types.	4	L2	CO2
Module – 2					
3	a.	What is Cyber-stalking? Discuss how it is a crime under Indian IT Act.	8	L3	CO1
	b.	How cybercafés are creating paths for cybercrimes.	6	L4	CO2
	c.	Discuss the four different hat concept in cyber security.	6	L2	CO2
OR					
4	a.	What is social engineering? Explain with example. Also discuss dumpster diving and shoulder surfing concepts in social engineering.	10	L2	CO1
	b.	Explain how Botnets can be used as fuel to cyber crime. With neat diagram, discuss Botnet uses for gainful purpose.	6	L2	CO2
	c.	Explain the real-life incident of cyber stalking example.	4	L2	CO2
Module – 3					
5	a.	What are the different ways of password cracking methods?	10	L1	CO3
	b.	List and discuss the classification of DoS attack.	6	L1	CO3
	c.	Discuss the difference between Trojans and Backdoors.	4	L2	CO3
OR					
6	a.	Explain the following : i) Software keyloggers ii) Hardware keylogger iii) Anti keylogger iv) Spywares.	10	L2	CO3
	b.	Discuss the proxy server and Anonymizers in the cyber security.	6	L2	CO3
	c.	Differentiate between virus and worm.	4	L3	CO3
Module – 4					
7	a.	Discuss the various types of phishing scams [Any five].	10	L2	CO4
	b.	Explain the different types of identity theft [any five].	10	L2	CO4

OR

8	a.	Discuss the various techniques used by phishers to launch phishing attacks.	10	L2	CO4
	b.	What is spear phishing? Explain with example.	5	L1	CO4
	c.	Explain how to prevent being a victim of identify theft in cyber security.	5	L4	CO4

Module – 5

9	a.	Discuss the following phases of Forensics life cycles : i) Preparation and identification ii) Collection and recording.	10	L2	CO5
	b.	Differentiate between Forensic policy and Security policy.	6	L2	CO5
	c.	Briefly explain RFC2822.	4	L1	CO5

OR

10	a.	Discuss the following phases of forensics life cycles: i) Storing and transporting ii) Examination / Investigation iii) Analysis, interpretation and attribution.	10	L2	CO5
	b.	Discuss the need for concept of Computer Forcusics.	6	L2	CO5
	c.	Briefly explain wireless Forensics.	4	L1	CO5
