21CS653

USN

Sixth Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025
Introduction of Cyber Security

Time: 3 hrs.

Max. Marks: 100

Note: *Answer any FIVE full questions, choosing ONE full question from each module.*

Module-1

1	a.	Explain Classification of cybercrime.	(08 Marks)
	b.	Explain Indian ITA 2000 key provisions.	(08 Marks)
	c.	Elaborate who are cyber criminals.	(04 Marks)

OR

2	a.	Explain how Pedophiler operates.	(07 Marks)
	b.	Discuss the following terms :	
		i) Spamming ii) Industrial Espionage iii) Software piracy iv) Salami attack v) Computer sabotage vi) Data diddling.	(10 Marks)
	c.	Define a cyber crime.	(03 Marks)

Module-2

3	a.	Define different categories of cybercrime.	(06 Marks)
	b.	Explain human based social engineering.	(06 Marks)
	c.	Explain attack vector to deliver payload.	(08 Marks)

OR

4	a.	Explain botnet, the Fuel for cybercrime.	(10 Marks)
	b.	Explain safety and security while using the computer in a cyber case.	(10 Marks)

Module-3

5	a.	Explain Trojan horses and backdoors.	(08 Marks)
	b.	Explain tools to monitor and protect the wireless networks.	(12 Marks)

OR

6	a.	Explain key loggers. And discuss its classification.	(10 Marks)
	b.	Explain the concept of random password.	(10 Marks)

Module-4

7	a.	Categorize victim of cybercrime.	(06 Marks)
	b.	Explain the concept of pseudo victim.	(06 Marks)
	c.	Enumerate characteristics of a good cyber investigator.	(08 Marks)

OR

8	a.	Explain the role of motherboard.	(10 Marks)
	b.	Explain the role of processor and memory.	(10 Marks)

Module-5

9	a.	Explain Firewall logs, Replier, Alarms and alerts.	(10 Marks)
	b.	Explain various types of IDS characteristics.	(10 Marks)

OR

10	a.	Explain the methods followed by Agency to preserve digital evidence.	(10 Marks)
	b.	Explain documenting evidence analysis.	(10 Marks)

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