



Sixth Semester B.E./B.Tech. Degree Examination, June/July 2025

Introduction to 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. Define Cybercrime. Categorize the cyber criminals. (08 Marks)
 b. Write a note on following :
 i) Cyberdefamation ii) Computer sabotage iii) Credit card frauds
 iv) Salami attack v) Spamming vi) Identity theft. (12 Marks)

OR

- 2 a. Briefly explain Legal perspective and Indian perspective of cybercrime. (06 Marks)
 b. Write a note on Indian ITA 2000. (04 Marks)
 c. Classify the Cybercrimes with examples for each. (10 Marks)

Module-2

- 3 a. Explain the phases involved in planning cybercrime. (10 Marks)
 b. With a case study, explain cyber stalking. (05 Marks)
 c. Classify and explain any five human - based social engineering. (05 Marks)

OR

- 4 a. What are the safety and security measures to be considered while using a computer in a cyber café? (08 Marks)
 b. Define botnet. How one can secure the system from botnet attack. (08 Marks)
 c. Write a note on attack vector. (04 Marks)

Module-3

- 5 a. What are the differences between proxy server and anonymizer? (05 Marks)
 b. What is phishing? Explain how phishing works. (07 Marks)
 c. Define virus. Explain different types of viruses. (08 Marks)

OR

- 6 a. What are DoS and DDoS attacks? Explain the types of DoS attack. (10 Marks)
 b. Explain traditional techniques of attacks on wireless networks. (10 Marks)

Module-4

- 7 a. Define criminal profiling. Explain different profiling methods. (06 Marks)
 b. Discuss any five common misconceptions regarding cybercriminals. (10 Marks)
 c. List the common motives for committing cybercrime. (04 Marks)

OR

- 8 a. Explain the ten characteristics of good cyber investigator. (10 Marks)
 b. What is Encryption? List different encryption algorithms. (05 Marks)
 c. Write a note on Steganography. (05 Marks)

Module-5

- 9 a. Discuss how Firewall logs , Reports , Alarms and Alerts can be used to detect cybercrime attack. (08 Marks)
- b. With the key commands, describe how Domain Name or IP address is traced? (06 Marks)
- c. Define Evidence. Brief on its categories. (06 Marks)

OR

- 10 a. Explain collection and preserving of digital evidence. (06 Marks)
- b. Briefly explain evidence tagging and marking. Also brief on evidence logs. (06 Marks)
- c. What are the different types of data that should be examined for evidence in case of cyber crime? (08 Marks)
