

CBCS SCHEME

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21CS653

Sixth Semester B.E. Degree Examination, June/July 2024

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. Who are Cyber Criminals? Discuss the three groups of Cyber Criminals. (10 Marks)
b. Define Cyber Crime. Explain any four classifications of cyber crimes. (10 Marks)

OR

- 2 a. Write a short notes on :
i) Spamming ii) Cyber defamation iii) Salami Attacks
iv) Online Frauds v) Software piracy. (10 Marks)
b. Discuss the key provisions under the ITA2000 for cyber crimes. (10 Marks)

Module-2

- 3 a. With neat sample network, explain the categories of vulnerabilities that hackers typically search. (10 Marks)
b. What are the five phases involved in planning cyber crime and discuss. (10 Marks)

OR

- 4 a. What is social engineering? Discuss Human based social engineering with a suitable example. (10 Marks)
b. What are the different attacks launched with attack vector and explain in detail. (10 Marks)

Module-3

- 5 a. Discuss the proxy server and anonymizers in cyber security. (10 Marks)
b. How keyloggers can be used to commit a cybercrime? (10 Marks)

OR

- 6 a. Define Dos Attack. Discuss the types of Dos attacks. (10 Marks)
b. How to secure the wireless Networks in the cyber security? (10 Marks)

Module-4

- 7 a. What is criminal profiling? Explain its types of profiling methods. (10 Marks)
b. List any five common categories victims of cyber crime. (10 Marks)

OR

- 8 a. Explain the characteristics or qualities of Good Cyber investigator. (10 Marks)
b. List and explain three securing data with cryptographic algorithms. (10 Marks)

Module-5

- 9 a. What is IDS? Explain the monitoring techniques of IDS. (10 Marks)
b. Write a short notes on :
i) Alarms ii) Alerts iii) Firewall logs iv) Reports. (10 Marks)

OR

- 10 a. How are the role of understanding of Evidence in a criminal case. (10 Marks)
b. Briefly explain the document Evidence in the cyber crime cases. (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.