

ODD SEMESTER EXAMINATION, 2024 – 25

2nd Year (3rd Sem) B.Tech.

CYBER SECURITY

Duration: 2:00 hrs

Max Marks: 50

Note: - Attempt all questions. All Questions carry equal marks. In case of any ambiguity or missing data, the same may be assumed and state the assumption made in the answer.

Q 1.	Answer any two parts of the following. a) Explain the importance of cybersecurity and its applications. b) What are Cyber threats? Name four types of cyber threats. c) What are the motives behind attackers conducting cyberattacks? Explain with examples.	5x2=10
Q 2.	Answer any two parts of the following. a) What is cyber forensics? Discuss its historical background. b) Explain the role of digital evidence in cyber forensics. Why is it crucial in investigations? c) Discuss the challenges in computer forensics.	5x2=10
Q 3.	Answer any two parts of the following. a) Discuss the security attacks on mobile/cell phones. b) Discuss the importance of authentication service security in mobile computing. c) Explain the proliferation of mobile and wireless devices.	5x2= 10
Q 4.	Answer any two parts of the following. a) Explain the impact of web threats on organizational security and privacy. b) Discuss the ethical dimension of cybercrimes. c) Explain cyber terrorism in detail with examples.	5x2= 10
Q 5.	Answer any two parts of the following. a) What is the importance of cyber security regulations and laws? b) Discuss the main objectives of India's national cyber security policy. c) Discuss the key offences under the Information Technology Act in India.	5x2= 10
