

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY GURAJADA VIZIANAGARAM**IV B. Tech I Semester Advanced Supplementary Examinations March 2025****CYBER SECURITY**

(Open Elective)

Time: 3 hours

Max. Marks: 70

Answer any **FIVE** Questions **ONE** Question from **Each unit**

All Questions Carry Equal Marks

UNIT-I

1. a) Discuss about the different classifications of cybercrimes. [7M]
b) Explore the historical origins of the term "cybercrime". [7M]

(OR)

2. a) Define Cybercrime. Discuss its importance in the context of modern-day internet usage. [7M]
b) Discuss the relationship between cybercrime and information security. [7M]

UNIT-II

3. a) Define Social Engineering and describe the classification of Social Engineering with examples. [7M]
b) Explain advantages of cloud computing and Elaborate five security issues related to cloud computing. [7M]

(OR)

4. a) Explain the Cyber Stalking and its types. [7M]
b) Explain the common attack vectors in cyber security. Elaborate how the attack vector is launched in cyber security. [7M]

UNIT-III

5. a) Illustrate about the attacks on Mobile/Cell Phones? [7M]
b) Describe about the Physical Security Countermeasures for protecting Laptops. [7M]

(OR)

6. a) Discuss the vulnerabilities of wireless networks that impact the security of mobile devices. [7M]
b) Illustrate about Credit Card Frauds in Mobile and Wireless Computing Era. [7M]

UNIT-IV

7. a) Describe various mechanisms adopted by criminals for password cracking. [7M]
b) Differentiate between viruses and worms and discuss their characteristics. [7M]

(OR)

8. a) Distinguish between Denial of Service (DoS) and Distributed Denial of Service (DDoS) attacks. [7M]
b) Explore the various methods used in attacks on wireless networks. [7M]

UNIT-V

9. a) Explain briefly about the digital forensics lifecycle. [7M]
b) Explore the relationship between computer forensics and steganography. [7M]

(OR)

10. a) Explain in detail the forensic analysis of E-mail. [7M]
b) Explain about Forensics Investigation. [7M]
