

B-E Sem-III C-scheme Summer-2025 ELEC.

Duration: 3 hours

12/6/25  
Max. Marks: 80

N.B.: 1) Question No.1 is compulsory.

2) Attempt any THREE questions out of remaining FIVE questions.

3) Figures to the right indicates full marks.

4) Assume suitable data if necessary.

- Q1 Attempt any FOUR of the following** 20
- What are Mobile Vulnerabilities?
  - What are different Security Risks for Organizations?
  - Difference between virus and worm.
  - How cybercrimes differ from most terrestrial crimes?
  - Explain the objectives of IT Act 2000.
- Q.2**
- What is WIPO? List treaties prepared by WIPO. 10
  - Explain about the impact of Cybercrimes in Social Engineering. 10
- Q.3**
- Explain steps for SQL Injection attack. How to prevent SQL Injection attacks? 10
  - Explain E-contracts and its different types. 10
- Q.4**
- What is Cybercrime? Who are Cybercriminals? Explain 10
  - What is e-commerce? Discuss types of e-commerce. 10
- Q.5**
- What are basic security precautions to be taken to safeguard Laptops and Wireless devices? Explain. 10
  - What are illegal activities observed in Cyber Cafe? What are safety and security measures while using the computer in Cyber Cafe? 10
- Q.6 Write short notes on any FOUR** 20
- Digital evidence
  - HIPAA
  - Buffer overflow attack
  - Planning of cyberattacks by criminal.
  - Vishing attack
  - Trojan horse and backdoor