

END TERM EXAMINATION

FOURTH SEMESTER [BCA] MAY-JUNE 2026

Paper Code: BCA-220T

Subject: Information Security

Time: 3 Hours

Maximum Marks: 60

Note: Attempt all questions as directed. Internal choice is indicated.

- ✓Q1 Attempt **any four** of the following questions : (4×5=20)
- ✓1. Define threats, attacks, and vulnerabilities with examples.
 - ✓2. Differentiate between symmetric and asymmetric cryptography.
 - ✓3. What is SSL? Write its importance.
 4. What are firewalls? Explain their basic functions.
 5. Explain honeypots in network security.
 6. Explain cyber crimes and their types.
 7. What is cyber threat intelligence?
 - ✓8. Define secure email and its features.
- ✓Q2 Discuss cryptographic techniques used for secure communication. (10)
- OR**
- Q3 Explain the concept of encryption and decryption with suitable examples. (10)
- Q4 Explain network security mechanisms and threats in detail. (10)
- OR**
- ✓Q5 Discuss SSL and TLS protocols with working principles. (10)
- Q6 Discuss network security controls such as authentication and access control. (10)
- OR**
- ✓Q7 Explain IDS, IPS, and VPN in detail with working. (10)
- Q8 Explain digital, network, and computer forensics in detail. (10)
- OR**
- ✓Q9 Discuss cyber laws, intellectual property rights, and copyright issues. (10)

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