

(Time: 3 Hours)

[Total Marks: 80]

**N.B.:**

- 1) Question No. 1 is compulsory.
- 2) Attempt any Three from the remaining Five questions.

- Q1.** Write Short notes on the following: (Any Four)
- a. Types of hackers. (05)
  - b. Phases of hacking. (05)
  - c. Indian IT Act 2000. (05)
  - d. Enumeration Techniques (05)
  - e. Types of cloud computing (05)
- Q2.**
- a. Explain SQL Injection with Examples (10)
  - b. Difference between Virus, Worm & Trojan with examples of each. (10)
- Q3.**
- a. What is DoS attack? Explain any two types of DoS attacks. (10)
  - b. Explain types of wireless Architecture and wireless encryption techniques-WEP and WPA (10)
- Q4.**
- a. What are different types of viruses? Explain each in brief. (10)
  - b. Explain man in the middle attack and waterhole attack. (10)
- Q5.**
- a. Explain the IT 2008 Amendment act with atleast 2 case studies. (10)
  - b. What is session hijacking? Explain its counter measures. (10)
- Q6.**
- a. What is Steganography? Explain Types of Steganography. (10)
  - b. What is sniffing? Explain different sniffing tools and its countermeasures. (10)

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