

(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. Cross site scripting (XSS). (05)
  - b. SQL Injection (05)
  - c. Amendments to the Indian IT Act 2008 (05)
  - d. Need for repeated penetration testing (05)
  - e. Footprinting (05)
  - f. Session Hijacking (05)
- Q2.**
- a. What are Different types of hackers? Explain any three types of Hackers in Detail. (10)
  - b. What are the different types of password attacks? Explain techniques to crack passwords. (10)
- Q3.**
- a. What is session hijacking, Define session hijacking techniques? (10)
  - b. What are the applications of steganography? Explain types of steganography. (10)
- Q4.**
- a. What are different types of Trojans? Explain each in brief. (10)
  - b. How does a penetration test differ from other types of ethical hacking assessments? (10)
- Q5.**
- a. Describe the differences between a DoS and a DDoS attack, and explain how to conduct a controlled DoS or DDoS attack (10)
  - b. Explain types of wireless Architecture and wireless encryption techniques-WEP and WPA (10)
- Q6.**
- a. What information can be enumerated by intruders? Explain the different enumeration techniques (10)
  - b. What are the objectives behind creating viruses? What are the indications of a virus attack? (10)
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