(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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