

(Time: 3 Hours)

[Total marks:80]

N.B.

1) Question No. 1 is compulsory

2) Attempt any three from Q2. to Q6.

- Q1.** Write Short notes on the following: (any Four)
- a. Penetration Testing. (5)
  - c. Password Attack. (5)
  - d. Malwares. (5)
  - e. Cyber Defamation. (5)
  - f. Phases of Hacking. (5)
- Q2.** a. Difference between Electronic signature and Digital signature. (10)  
b. What is footprinting? Explain passive attack and active attack in footprinting. (10)
- Q3.** a. Explain cloud computing and need for cloud computing. What are the 3 types of cloud computing services. (10)  
b. Explain network scanning and its types in detail. (10)
- Q4.** a. Distinguish between Virus, Worms & Trojans with examples of each. (10)  
b. Explain SQL injection attack and its countermeasures. (10)
- Q5.** a. Explain 2000 IT act and 2008 IT amendment act. Explain section 66A, 66B and 66 C with case studies of each. (10)  
b. What is session hijacking? Explain in detail with an illustration. (10)
- Q6.** a. What is steganography? Explain types of steganography (10)  
b. What is WEP and WPA? Explain in detail. (10)
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