

(3 Hours)

(Total Marks: 80)

N.B: (1) Question No.1 is Compulsory

(2) Attempt any Three Question between Questions No. 2 to 6.

Q1. A) Write short note on: (Attempt Any Four) [20]

1. Explain in detail phases of hacking.
2. Define hacking? Explain in detail its types.
3. Explain in detail types of attacks.
4. Summarize the different section in Indian IT Act 2000
5. Write short note on phishing

Q2. A) Explain the concept of vulnerability scanning. [10]

B) What is active footprinting? Explain the active footprinting techniques [10]

Q3. A) Explain in brief about the countermeasures of port scanning [10]

B) Write a detailed note on detection and prevention of ARP spoofing. [10]

Q4. A) Explain how the steganography is different from obfuscation [10]

B) Explain with examples physical social engineering attack [10]

Q5. A) What is Session Hijacking? How does session hijacking work? [10]

B) What is SQL injection? How to prevent SQL Injections. [10]

Q6. A) Explain in brief about WEP, WPA Authentication Mechanisms, and Cracking Techniques. [10]

B) With the help of neat labelled diagram explain Cloud Computing Service Models. [10]
