

N.B.

- 1) Question No. 1 is compulsory
- 2) Attempt any three of the remaining five questions

Write Short notes on the following: (any Four)

- Q1. (a) Types of Hackers [5]
(b) Electronic signature and digital signature. [5]
(c) Cloud computing and its types. [5]
(d) SQL injection attacks. [5]
(e) Cyber Defamation [5]
(f) 5 types of viruses [5]
- Q2. (a) What is Enumeration? Explain Enumeration techniques, types and countermeasures in detail. [10]
(b) Explain Man-in -the-middle and waterhole attack with examples/case studies. [10]
- Q3. (a) Difference between DoS & DDoS attack. [10]
(b) What is a BOT? Explain in detail about Botnet with an example. [10]
- Q4. (a) Explain Network scanning and its types and discuss the objectives of network scanning. [10]
(b) Differentiate Waterhole Attacks Vs Brute Force Attack. [10]
- Q5. (a) What is session hijacking? Explain session hijacking techniques and session hijacking process. [10]
(b) What is cryptography? Explain the need for cryptography. Explain two types of encryption algorithms. [10]
- Q6. (a) What is wireless architecture? Discuss WEP and WPA in detail. [10]
(b) What is Pen Testing? Discuss the need and steps for pen testing in detail. [10]
