

Time: 3 Hours

Max. Marks: 80

Note:

1. Question 1 is compulsory. All questions in Q1 must be solved.
2. Solve any three from Q2 to Q6.
3. Draw diagrams wherever necessary.
4. All questions carry equal marks.

- Q1. Solve all four questions (20)**
- A What is malware? Explain in brief concept of Virus. 5
- B Write a short note on whaling and spear phishing. 5
- C Explain the need for repeated penetration testing. 5
- D Define session hijacking. Describe the three steps. 5
- Solve any Three from Q2 to Q6**
- Q2. (20)**
- A Explain the different types of hackers. Explain in detail the different types of attacks carried out by hackers? 10
- B What are the different types of threats due to foot printing? Explain in brief. 10
- Q3. (20)**
- A What are different types of Trojans? Explain each in brief. 10
- B What is network scanning? Explain different Types of Scanning and objectives of network scanning. 10
- Q4. (20)**
- A What information can be enumerated by intruders? Explain the different enumeration techniques 10
- B What are the different types of password attacks? Explain techniques to crack passwords. 10
- Q5. (20)**
- A Explain the need for cloud computing? What are the different types of cloud computing. 10
- B What are the applications of steganography? Explain types of steganography. 10
- Q6. (20)**
- A Explain SQL injection. What are its countermeasures? 10
- B Explain in detail DoS and DDoS attack. 10