

Time: 3 Hours

Total marks:80

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) Phases of Hacking. [5]
(b) Worms & Types of Worms. [5]
(c) Cloud computing and its types. [5]
(d) SQL injection attacks. [5]
(e) IT Act 2000 and 2008 Amendment Act. [5]
(f) 5 Types of viruses. [5]
- Q2. (a) What is Enumeration? Explain Enumeration techniques, types and countermeasures in detail. [10]
(b) Explain DNS Poisoning and ARP Poisoning in detail. [10]
- Q3. (a) What is social Engineering? Explain types of social engineering in detail. [10]
(b) What is Pen Testing? Discuss the need for pen testing in detail. [10]
- Q4. (a) What is Steganography? Explain types of steganography in detail. Also explain the steps of including secret messages in an image. [10]
(b) Explain Man-in -the-middle and waterhole attack. [10]
- Q5. (a) Explain any four types of Hackers and differentiate between white hat hackers with black hat Hackers. [10]
(b) What is the need for IT 2000 act? Explain the difference between electronic signature and digital signature. [10]
- Q6. (a) Explain types of wireless architecture and wireless encryption techniques. [10]
(b) Explain phishing. Write any 2 cases studies of phishing attack. [10]
