

INFO SYSTEM SECURITY & AUDIT

QP Code : 80063

(3 Hours)

[Total Marks : 80

- N.B. :**
- (1) Question No.1 is compulsory.
 - (2) Attempt any four out of remaining six questions.
 - (3) Assume any necessary data but justify the same.
 - (4) Figures to the right indicate marks.
 - (5) Use of scientific calculator is allowed.
1. (a) Explain different attacks on wireless networks & counter measures you will take to stop these attacks. 10
 - (b) Consider an online payment system. For this system identify vulnerability, threat and attack. 10
 2. (a) What is the difference between attack and vulnerability? List and explain any seven attacks. 7
 - (b) What are responsibilities of Auditors in security audits 8
 3. (a) Explain various ways of guarding database against vulnerability. 7
 - (b) Explain DES. What is double DES & Triple DES? 8
 4. (a) Explain cryptography & its tools with example. 7
 - (b) Explain Secure E-Mail system with example. 8
 5. (a) Explain the different types of Intrusion Detection System (IDS) with their advantages and disadvantages 7
 - (b) Explain any two access control mechanism. Indicate clearly the advantage and disadvantages of each scheme. 8
 6. (a) What is role of Firewall in securing a network? Describe different types of Firewall. 7
 - (b) Explain various types of protection that Operating System applies at file level. 8
 7. Write Short notes (any 3):- 15
 - (a) ARP spoofing.
 - (b) CAPTCHA.
 - (c) System Cipher & Block Cipher
 - (d) Indian IT Act.