**Attempt any one question of 5 marks and two questions of 2.5 marks.**

1. A secure communication over an insecure medium may have several vulnerabilities, figure out those vulnerabilities. (2.5 marks)
2. Explain the implementation of access matrix. (5 marks)
3. Elaborate the concept of threats with example. (5 marks)
4. What is CIA? (5 marks)
5. Port scanning is not an attack but rather a means for a cracker to detect system vulnerabilities to attack. Discuss the vulnerability if it occurred in send mail. (2.5 marks)
6. Differentiate between various topologies. (5 marks)
7. Elaborate Distributed message passing with example. (2.5 marks)
8. Differentiate between peer to peer and client server model. (2.5 marks)
9. What is Session Hijacking and How it can be prevented. (2.5 marks
10. What is DDOs? Explain the difference between DDOS and DOS attack. (5 marks)
11. Attacks which are aimed not at gaining information or stealing resources but rather at disrupting legitimate use of system or facility are known as which type of attacks. Explain the working of the attack. (2.5 marks)
12. Explain the concept of encryption with the help of an example.