

6. a) Explain Diffie-Hellman key Exchange algorithm with Example? IS Diffie-Hellman key Exchange Secure? 7
- b) Describe Euclid's Algorithm with Example? 6
7. a) What is message Authentication? And what are the requirements of message authentication? 7
- b) Explain the Digital Signatures and properties of Digital signatures in detail? 6

OR

8. a) Differentiate Authentication and Digital Signature? 6
- b) Explain a Hash function and their security? 7
9. a) Explain a firewall? and what are the different types of firewalls? 8
- b) Explain a viruses and list down any three recent highly spreading viruses? 5

OR

10. a) Explain the following terms- 7
- i) Trap doors and cross site scripting.
- ii) Host based v/s Network based IDS
- b) What is Intruder? Explain Intrusion Techniques? 6
11. a) What is S/MIME? What are function it provides? 7
- b) Explain Secure Electronic Transaction in detail. 7

OR

12. Short Note on **any three**. 14
- a) PGP
- b) SQL injection.
- d) Chip Card Transaction.
