V UNIT 2 MARKS QUESTIONS

1. What is the purpose of Domain Name System?
2. Discuss the three main division of the domain name space.
3. Discuss the TCP connections needed in FTP.
4. Discuss the basic model of FTP.
5. What is the function of SMTP?
6. What is the difference between a user agent (UA) and a mail transfer agent?
7. How does MIME enhance SMTP?
8. Why is an application such as POP needed for electronic messaging?
9. Give the format of HTTP request message.
10. Give the format of HTTP response message.
11. Write down the three types of WWW documents.
12. What is the purpose of HTML?
13. Define CGI.
14. Name four factors needed for a secure network.
15. How is a secret key different from public key?
16. What is a digital signature?
17. Define permutation.
18. List the three parts of the URL
19. Distinguish substitution and transposition cipher
20. State the difference between fully Qualified and Partially Qualified domain name.
21. What is digital Signature?
22. What is meant by DNS?
23. Define Kerberos.
24. How is symmetric key different from the public key?
25. Discuss the three main divisions of the DNS.
26. Why do we need POP3 or IMAP4 for E-mail?

27. Differentiate cipher text and plaintext

28. What are the advantages & disadvantages of public key encryption?
29. Name four factors needed for a secure network
30. What are the advantages & disadvantages of secret key encryption?
31. Define permutation.
32. Write down the three types of WWW documents.
33. Give the format of HTTP response message
34. Give the format of HTTP request message
35. Discuss the basic model of FTP.
36. Discuss the TCP connections needed in FTP.
37. What is the purpose of Domain Name System?

V UNIT 10 MARKS QUESTIONS

1. Explain HTTP with example.
2. With an example, explain the authentication using Kerberos and public key cryptography.
3. Draw the architecture of WWW and explain the various blocks in detail.
4. (i) Explain the private key cryptosystem with an example.

(ii) Explain the RSA algorithm with an example

5. Explain in detail about symmetric key algorithms with neat sketch.
6. Explain in detail about communication security and authentication with neat example.
7. Explain in detail about (i) E-mail (ii) DNS
8. (i) Write a brief note on File Transfer Protocol.

(ii) What is cryptography? Describe Symmetric key and Public Key algorithms in detail.

9. Explain in detail about the key management
10. Explain the following (i) Digital signature. (ii) Man-in-the-Middle Attack