

6. a) Explain Error correction method ? What is the basic difference in Error detection and correction. 7
- b) Explain IEEE std. for LAN 802.3 & 802.4. 7
7. a) Explain the classful addressing in IPV₄ ? What is difference between IPV₄ & IPV₆ ? 8
- b) How does distance vector routing Algorithm works ? Explain with example ? 5

OR

8. a) A network is divided into four subnets since one of the address in subnet ? IS 141.14.120.77. Find the subnet address ? 4
- b) Explain the following terms - 6
- i) Logical address ii) Physical address
- iii) Port Number
- c) Explain the difference between Default mask and subnet mask ? 3
9. a) Explain about quality of services under Transport layer. 6
- b) Define socket, explain it with socket system calls ? 7

OR

10. a) For connection establishment in transport layer write the process of three - way handshake protocol ? 6
- b) Draw and explain TCP segment header ? 7
11. a) Explain cryptography ? What is difference between symmetric cryptography & asymmetric cryptography algorithm ? 7
- b) Explain in detail architecture of Browser ? 6

OR

12. a) Write short notes on **any three**. 9
- i) DNS
- ii) X.25
- iii) Digital signature
- iv) Authentication
- b) What are the AAL Services ? 4
