

- 2 (i) Describe the upper layers of OSI model. 7+7
(ii) Explain 802.4 standard.
- 3 (i) Compare circuit switched, message switched and packet switched network. 4+5+5
(ii) What are the functions of file server ? Explain.
(iii) What do you mean by half duplex, full duplex and simplex mode of transmission. ? Explain with example.
- OR**
- 3 (i) Describe virtual path and absolute path in terms of security 7+7
(ii) Write advantages and disadvantages of sever based and peer-to peer network.
- 4 (i) Explain the protocol TCP/IP, FDDI. 7+7
(ii) What are the functions of router ? Explain.
- OR**
- 4 (i) Explain the protocols IPX/SPX and ATM. 7+7
(ii) Explain the use of switches.
- 5 Write notes on : (any two) 7+7
(1) IP address
(2) Advantages and disadvantages of single domain system'
(3) Powerline network
(4) Wireless network.
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