

Question Bank (G scheme)

Name of subject: DATA COMMUNICATION AND NETWORKING

Subject code: 17430

Semester: IV

Unit Test :II

Course : IF

CHAPTER-3: OSI Model, LAN,WAN,MAN, MAC Sublayer [22 Marks]

3 Marks

1. Compare Ethernet, Token-ring and FDDI?
2. Explain DQDB in detail?
3. Explain OSI model in detail?
4. Compare LAN, MAN, WAN?

4 Marks

5. 2. Explain Different Devices in OSI model with their respective position in OSI model?
6. 4. Explain FDDI structure in detail?
7. 7. Explain network layer functions in details?
8. How router is important in internetworking?

CHAPTER -4: nternetworking Concepts, Devices, Internet Basics , History And Architecture

[18 Marks]

3Marks

1. Explain various board level issues in Internetworking?
2. Describe Internet Topology with help of diagram?
3. Explain internal structure of ISP in detail?

4 Marks

4. Briefly describe cable modem?
5. Explain the working of Getway with the help of diagram?
6. 14. List out various internetworking devices?
7. 15. Explain Dial-up access for individual user?

CHAPTER -5: TCP/IP, ARP, RARP and ICMP, TCP vs UDP , DNS, Email , FTP

[18 Marks]

3Marks

1. Explain TCP/IP layers in detail?
2. Draw the Comparative diagram of TCP/IP and OSI model?
3. Why IP address is necessary and Explain different IP classes in detail?
4. Give IP Datagram Format?
6. Explain ARP in details?
7. Explain RARP details?

4 Marks

8. Explain FTP with example?
9. Explain TCP packet format in details?
10. Explain UDP packet format in details?

11. Compare TCP and UDP?
12. Explain TFTP in details?
- 13. Compare FTP and TFTP?**