

## II UNIT 2 MARKS QUESTIONS

1. What are the two types of line configuration?
2. What do you mean by error control?
3. Define flow control?
4. What is redundancy?
5. Write short notes on error correction?
6. Mention the types of error correcting methods.
7. What are the steps followed in checksum generator?
8. Define checksum.
9. Write short notes on CRC checker.
10. Write short notes on LRC.
11. List out the available detection methods.
12. Mention the types of errors and define the terms?
13. Distinguish between peer-to-peer relationship and a primary-secondary relationship.
14. What are the ways to address the framing problem?
15. What are the responsibilities of data link layer?
16. What are the functions of Application layer?
17. Define Bit stuffing.
18. What are the features provided by layering?
19. What are header and trailers and how do they get added and removed?
20. Group the OSI layers by function?
21. A digital signal bit rate of 2000bps. What is the duration of each bit?
22. Write short notes on LRC and checksum.
23. What is the purpose of layering ?
24. Determine the total number of links needed for N nodes connected?
25. What is CSMA? 2. Explain CSMA/CD.
26. Mention some of the physical properties of Ethernet.
27. What is the role of VCI?
28. What do you mean by error control?

29. What are the functions of bridges?
30. What is the size of Ethernet address?
31. What is the advantage of FDDI over a basic token ring?
32. List any two functions which a bridge cannot perform?
33. Mention the function of hub.
34. Mention different random access techniques?
35. List the two types of data frames in FDDI
36. What is the purpose of the NAV?
37. Name the four types of S frames.
38. What is the access method used by wireless LANs?
39. 16 What are the limitations of bridges?
40. What is Spanning tree
41. 18 .Define Bluetooth?
42. What is the use of Switch?
43. What is token holding time (THT)?
44. Define Repeater?
45. What are the four prominent wireless technologies?

#### **II UNIT 10 MARKS QUESTIONS:**

1. Explain in detail the error detection and error corrections.
2. With a neat diagram explain in detail about the Network architecture.
3. Discuss in detail about HDLC.
4. What is the difference between Internet architecture and OSI architecture?
5. Discuss about the links operated on the physical media in detail.
6. Explain the different approaches of framing in detail.
7. Write short on Internet Architecture.
8. Explain Link layer And Function.
9. Discuss Software performance and hard ware performance
10. Discuss the requirement of Network

11. Explain various multiple access techniques.
12. Compare Stop and Wait ARQ scheme with sliding window ARQ scheme.
13. Write the CSMA/CD algorithms of Ethernet.
14. Explain in details about the access method and frame format used in Ethernet and token ring.
15. i. Name the four basic network topologies and explain them giving all the relevant features. Explain the working of carrier sense multiple access protocol.
16. ( ii) How does a Token Ring LAN operates? Discuss.
17. (iii) List and briefly discuss the two different basic transmission technologies that can be used to setup wireless LAN's.
18. Explain the frame format, operation and ring maintenance feature of IEEE 802.5 MAC protocol.
19. Briefly define key requirements for wireless LANs.
20. Describe the FDDI frame format and explain.
21. Discuss the MAC layer functions of IEEE 802.11.
22. Explain in details the types of bridges.
23. Write in detail about Bluetooth Technology?
24. Differentiate between Wired network and Wireless Network