I UNIT 2 MARKS QUESTIONS

1. Describe computer networks.
2. What differentiates a computer network from other types of networks?
3. Differentiate Internetworking and Intranetworking?
4. How would you describe routing?
5. Can you list three general classes of failure?
6. In what way would you summarize circuit switched and packet switched networks?
7. Define router and gateway.
8. Compare and contrast Unicast, Multicast, and Broadcast.
9. Define protocol.
10. Can you interpret what is happening in synchronous time division multiplexing?
11. How would you describe Multiplexing and Demultiplexing?
12. Compare LAN, WAN and MAN.
13. How would you illustrate the basic idea behind error detection?
14. Discuss about socket.
15. What would happen if the acknowledgement to the original packet is lost? Draw the timeline for his scenario.
16. Demonstrate your understanding of character stuffing.
17. How would you formulate Shanon's Theorem?
18. Solve the following: How many bits of data in a transcontinental channel with a one-way latency of 50ms and a bandwidth of 45Mbps can hold?
19. How would you summarize Manchester encoding? Draw the
20. NRZ encoding for the bit stream 0010111101000010.
21. Can you discriminate bandwidth and latency.

I UNIT 10 MARKS QUESTIONS

1. Describe briefly the various layers and functions of OSI model and compare OSI Model with Internet model.

2. Briefly explain the different types of packet switching techniques with suitable networks. Write each of its advantages and disadvantages.

3. i. Explain the TCP/IP reference model with a neat sketch

ii. Compare the performance of TCP/IP and ISO/OSI reference model

4. Explain in detail about network dependent and network independent layers of OSI reference model.

5. Explain the different types of switching networks and mention its advantages and disadvantages.

6. Describe the circuit switched networks, data gram networks and cable networks with suitable diagrams.

7. Explain in detail about addressing.

8. Explain guided media differ from unguided media. Explain the three types of guided media and two types of unguided media.