

ANNA UNIVERSITY OF TECHNOLOGY, COIMBATORE
B.E. / B.TECH. DEGREE EXAMINATIONS : NOV / DEC 2011
REGULATIONS : 2008
FIFTH SEMESTER : CSE
080230022 - COMPUTER NETWORKS

Time : 3 Hours

Max.Marks : 100

PART - A

(10 x 2 = 20 Marks)

ANSWER ALL QUESTIONS

1. Give an advantages and disadvantages of BUS topology.
2. Define Transmission rate.
3. Differentiate bridge and router.
4. What is piggybacking?
5. Write the purpose of subnet masking.
6. What is meant by flooding?
7. Define socket.
8. State the advantages of TCP over UDP.
9. What are the advantages of Peer to Peer network?
10. Define Sensor network.

PART - B

(5 x 16 = 80 Marks)

ANSWER ALL QUESTIONS

11. (a) (i) Discuss in detail about the layers of OSI model. (10)
(ii) Name the four basic network topologies and explain them giving all the relevant Features. (6)

(OR)

11. (b) (i) Differentiate FDDI from token ring. (6)
(ii) Explain the functioning of wireless LAN in detail. (10)
12. (a) (i) Explain briefly about Go -Back - n ARQ. (8)
(ii) Discuss in detail about Selective - Repeat ARQ. (8)

(OR)

12. (b) Discuss in detail about HDLC.
13. (a) (i) Explain Briefly about the different classes of IP Addressing. (8)
(ii) Discuss in detail about subnetting. (8)

(OR)

13. (b) Discuss in detail about Distance Vector Routing.
14. (a) Discuss Multiplexing and Demultiplexing in connectionless & connection oriented networks.

(OR)

14. (b) Explain the role of a DNS on a computer network.
15. (a) Discuss in detail about Storage Area Network with suitable diagram.

(OR)

15. (b) Explain in detail about optical Network.

*****THE END*****