B.E. / B.Tech. Computer Science & Engineering (Model Curriculum) Semester-VI
TEE202CS / COM NET1 - Computer Networks

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Notes : 1. All questions carry equal marks.
2. Due credit will be given to neatness and adequate dimensions.
3. Assume suitable data wherever necessary.
4. All questions are compulsory.

1. a) Discuss in detail TCP-IP reference model. **8**

b) Describe the concept of Pure ALOHA and Slotted ALOHA. **8**

OR

2. a) What is Computer Network? Explain its types. **8**

b) Write short note on **8**
   i) Frame Relay
   ii) ATM

3. a) What is Medium Access control sublayer. **8**

b) What is switching? What are the different types of switching technique? **8**

OR

4. a) Discuss PPP in detail. **8**

b) Write short note on Ethernet and its types. **8**

5. a) Discuss shortest path routing and flooding in network layer. **8**

b) Compare virtual circuit and datagram subnet. **8**

OR

6. a) Discuss design issues of network layer in detail. **8**

b) Discuss about internet working in detail. **8**

7. a) Discuss in detail about IP addressing and it's classes in computer network. **8**

b) Draw and discuss layout of a TCP segment header. Discuss all the header fields briefly. **8**

OR

8. a) Discuss the concept of socket and socket programming. **8**

b) Differentiate between TCP and UDP. **8**

9. a) What is world wide web? Draw and explain architectural overview of the same. **8**

b) Discuss DNS along with DNS server. **8**

OR

10. a) Explain architecture and function of an E-mail system. **8**

b) Explain Uniform Resource Locations. **8**

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