

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

P. Pages : 2

Time : Three Hours



GUG/W/24/13822

Max. Marks : 80

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- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Assume suitable data wherever necessary.

1. a) What are types of cable media used in Networking. Explain with neat sketches of each. 8
- b) What are various framing techniques? Explain briefly. 8

OR

2. a) Write short note on: 8
- i) MODEM
- ii) Multicasting
- b) Discuss about “Sliding window protocol” & “Go back-N” protocol. 8
3. a) Write short note on Ethernet. 8
- b) Define the concept of pure ALOHA and Slotted ALOHA. 8

OR

4. a) What is Switching? What are the different types of Switching technique. 8
- b) Discuss about IEEE 802.4 Token bus in detail. 8
5. a) What are the services provided by network layer? 8
- b) Define Cyclic Redundancy Code (CRC) with the help of an example. 8

OR

6. a) Write short note on IPv₆ in detail. 8
- b) What is Error Control? Explain Hamming Distance Code with an example. 8
7. a) What is IP Addressing? How is it classified? Explain the various classes of IP addresses. 8
- b) Define the concept of socket programming. 8

OR

8. a) Why does UDP exist? Discuss about wireless TCP in detail with neat sketch. 8
- b) Write a note on following elements of Transport Protocol. 8
- i) Connection
- ii) Flow Control & Buffering
9. a) Write a note on TCP Header. 8
- b) Write a short note on Domain Name Systems. 8

OR

10. a) What is World Wide Web? Draw and explain architectural overview of the same. 8
- b) Discuss about the following terms: 8
- i) Mail Gateway
- ii) NetBios
