

Roll No.

Total Pages : 02

ET-5/D-18

35002

COMPUTER NETWORKS

CSE-303

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit.

Unit I

1. What is the significance of ISDN ? Explain the basic concept of ISDN. Give the protocol architecture of ISDN.
2. Explain the following error detection techniques :
 - (a) Parity Check
 - (b) CRC
 - (c) Chaksum.

Unit II

3. With neat sketch explain Twisted pair cables, connectors of twisted pair, cables with neat graph explain the performance of Twisted pair cables.

4. With an example explain the sliding window Flow Control Mechanism.

Unit III

5. Explain the significance of Switching ? What are different switching techniques used in computer networks ? Discuss.
6. Explain TCP Connection Management Finite State Machine. Explain all states in it.

Unit IV

7. With an example explain the Dynamic routing algorithms used in computer networks.
8. What are the reasons for congestion ? What are the problems with congestion ?