



Seat No. \_\_\_\_\_

BACHELOR OF SCIENCE (INFO. & TECH.) Examination  
BSCIT Semester - 3 DECEMBER 2024 ( Regular ) DECEMBER - 2024  
CS-20: NETWORK TECHNOLOGY AND ADMINISTRATION  
Faculty Code : 003  
Subject Code : 23SI-BSIT-SE-03-03006

Time : 1 Hours]

[Total Marks : 25

- Q.1 (A) What is network? State the difference between Client/server network and Peer to Peer network. 5
- Q.1 (B) Explain OSI reference model with 7 layers in detail. 5  
OR
- Q.1 (A) What is network topology? Explain star and mesh topology in detail. 5
- Q.1 (B) Explain following network access methods. 5  
1. CSMA/CD and CSMA/CA method  
2. Token Passing Method
- Q.2 (A) What is Transmission media? Explain unguided media in detail. 5
- Q.2 (B) Explain Switching techniques in detail. 5  
OR
- Q.2 (A) What is Transmission media? Explain guided media in detail. 5
- Q.2 (B) What is multiplexing? Explain FDM and TDM in detail. 5
- Q.3 What is Protocol? State the difference between connection oriented and connection less protocol. 5  
OR
- Q.3 What is IP address? State the difference between IPv4 and IPv6 protocol. 5

