

BACHELOR OF TECHNOLOGY (CBCS - 2023)
B. Tech. Sem-II INFORMATION TECHNOLOGY : WINTER : 2024
SUBJECT: COMPUTER COMMUNICATION & NETWORKS

Day : Tuesday
Date : 26/11/2024

W-27745-2024

Time : 10:00 AM-01:00 PM
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Assume suitable data **WHEREVER** necessary.
- 4) Draw neat diagrams **WHEREVER** necessary.

Q.1 Describe Digital Transmission in detail. (10)

OR

Q.1 What is network? Explain network types in detail. (10)

Q.2 Draw and explain TCP/IP protocol suite. (10)

OR

Q.2 Describe Novell Networks in detail. (10)

Q.3 Enlist and explain various Transmission media types. (10)

OR

Q.3 What is Switching? Explain Circuit switching in detail. (10)

Q.4 Describe Backbone Networks and its types. (10)

OR

Q.4 Enlist various Networking Devices. Explain in detail. (10)

Q.5 What is Internet Protocol? Explain IP address classes in detail. (10)

OR

Q.5 Differentiate between Classful and Classless addressing of IPv4. (10)

Q.6 Describe User Datagram Protocol services with suitable example. (10)

OR

Q.6 What is Domain Name System? Explain with suitable case study. (10)
