

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

Day : Thursday
Date : 30/05/2024

S-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.
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Q.1 What are components of Data Communication? Explain how data flows in communication. (10)

OR

Q.1 Enlist and explain various types of topologies used in networking. (10)

Q.2 Draw and Explain OSI Model architecture. (10)

OR

Q.2 Describe addressing and its types in detail. (10)

Q.3 What is Switching? Describe Packet Switching in detail. (10)

OR

Q.3 Describe Transmission media. Explain Guided media in detail. (10)

Q.4 Enlist and explain various networking devices. (10)

OR

Q.4 Describe working of Token Ring with suitable example. (10)

Q.5 Differentiate between IPv4 and IPv6 (10)

OR

Q.5 What is routing? Explain Delivery and Forwarding in detail. (10)

Q.6 Describe TCP congestion control with suitable example. (10)

OR

Q.6 Enlist Transport Layer protocols. Explain connectionless and connection-oriented protocols. (10)
