

Total No. of Questions:-4
Class Roll No

Total No. of printed pages:-1
Enrollment No

CS – 206

Mid-Semester Examination-I (APR 2024)
B.Tech. II Semester (CSE)
COMPUTER NETWORKS

Duration: 1hr 30min

Max. Marks: 20

Note: Attempt all questions.

Q1.A) What are different types of networks that you know? Briefly discuss all of them. Provide suitable diagrams, if necessary. **[CO-1 / 5 Marks]**

Or

B) Explain OSI Reference model highlighting the services provided by each layer. **[CO-1 / 5 Marks]**

Q2. A) Write a detailed note on Network Topology.

B) Distinguish between connection-oriented service and connectionless service. **[CO-1 / 5 Marks]**

Or

C) Explain the functionality of Physical Layer.

D) what are different Networking Devices? Explain any three in detail.

[CO-1 / 5 Marks]

Q3. A) What is Framing? Discuss its importance and issues involved in framing? Also explain the ways of overcoming the framing errors? **[CO-2 / 5 Marks]**

Or

B) What are various Services offered by data link layer? Explain in detail.

[CO-2 / 5 Marks]

Q4. A) What do you understand by CRC? Why is it preferred over other error control mechanisms? Explain CRC process with a suitable example. **[CO-2 / 5 Marks]**

Or

B) What is Flow Control? List out the protocols used for Flow Control. Explain any one of them in detail. **[CO-2 / 5 Marks]**