

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - V COMPUTER SCIENCE & ENGINEERING AI&ML : WINTER :
2023

SUBJECT : COMPUTER NETWORKS

Day : Wednesday

Time : 02:30 PM-05:30 PM

Date : 6/12/2023

W-23960-2023

Max. Marks : 60

N.B

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicates **FULL** marks.
- 3) Use to the non-programmable **CALCULATOR** is allowed.
- 4) Assume suitable data **WHEREVER** necessary.

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- Q1. Describe and list down various design issues for layers. (10)
OR
Explain the difference between ISO-OSI model TCP/IP model. (10)
- Q2. Give reasons why Message Switching is better than Packet Switching. (10)
OR
Determine the concept of Stop and Wait ARQ Protocol for Noisy Channel. (10)
- Q3. Determine the concept of HDLC in Data Link Layer. (10)
OR
Explain Distance Vector Routing Protocol. (10)
- Q4. Describe the Elements of Transport Protocols. (10)
OR
Explain Congestion Control. (10)
- Q5. Determine Dynamic Host Control Protocol (DHCP). (10)
OR
Distinguish between BOOTP and DHCP. (10)
- Q6. Explain Basic concepts of Cryptography. (10)
OR
Give technical note on Bluetooth technology. (10)

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