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School of Engineering

**B.TECH Electronics and Communication Engineering in Artificial Intelligence and Machine
Mid Term Examination - May 2024**

**Duration : 90 Minutes
Max Marks : 50**

Sem VI - G2UC605T - Communication NetworkGeneral Instructions

Answer to the specific question asked

Draw neat, labelled diagrams wherever necessary

Approved data hand books are allowed subject to verification by the Invigilator

- 1) Write about the protocol suite. K2 (2)
- 2) Write the characteristics of LANs, MANs, and WANs. K1 (3)
- 3) Explain in brief about Network Topologies. K2 (4)
- 4) Explain pure-ALOHA and slotted- ALOHA systems. Give the expression for throughput for each, clearly explaining the various terms K2 (6)
- 5) Explain 1-persistent, p-persistent and 0- persistent CSMA. K3 (6)
- 6) Explain the CSMA in detail K3 (9)
- 7) Write about Flow control and Error Control. K4 (8)
- 8) Explain the use of Protocols in computer network. Differentiate between broadcast and point to point network. K4 (12)

OR

Explain different types of networks based on geographical region with neat diagram. K4 (12)