1. (15 pts.) Give a brief description of three generations of LANs. Name few types of ATM LANs.

2. (20 pts.) Give an example of ATM LAN Emulation configuration. Draw the LAN Emulation protocol architecture for the example.

3. (15 pts.) What are the functions of a bridge? Draw the protocol architecture for the bridge over an X.25 Network.

4. (20 pts.) What is a transparent bridge? Name three key aspects of the transparent bridge operation. Briefly describe the Spanning Tree Algorithm.

5. (15 pts.) Briefly describe Routing operations. Name a protocol that provides these functions.

6. (15 pts.) Briefly describe key differences between BGP and OSPF routing protocols.