**Computer Networks**

**Module 1: Practice Questions**

1. Identify the five components of a data communications system.
2. What are the advantages of distributed processing?
3. What are the three criteria necessary for an effective and efficient network?
4. What are the advantages of a multipoint connection over a point-to-point connection?
5. Categorize the four basic topologies in terms of line configuration.
6. What is the difference between half-duplex and full-duplex transmission modes?
7. Name the four basic network topologies, and cite an advantage of each type.
8. For *n* devices in a network, what is the number of cable links required for a mesh, ring, bus, and star topology?
9. What are some of the factors that determine whether a communication system is a LAN or WAN?
10. Why are protocols needed?
11. Why are standards needed?