

Ch 1 Network Q/Ans

Computer Networks – Short Answer Questions & Solutions

| Answer the following questions

1. Define the term 'Networking'.

Networking is the practice of connecting computers and other devices together using communication media (such as cables or wireless signals) so they can share data, resources, and hardware.

2. Mention the advantages of networking.

- **Resource Sharing:** Devices like printers, scanners, and hard drives can be shared.
- **Data Sharing:** Files can be transferred easily without physical storage media.
- **Communication:** Enables quick communication through emails, chat, and video calls.
- **Cost Efficiency:** Reduces the need to buy duplicate hardware for every user.

3. What is the purpose of a network cable?

Network cables are used to physically link computers and network devices (like switches and routers) to ensure secure, high-speed data transmission.

4. Differentiate between LAN and MAN.

LAN (Local Area Network) covers a small geographical area like a single room, office, or building. **MAN (Metropolitan Area Network)** spans a larger region, typically covering an entire city or town.

5. Describe the wireless networking in your own words.

Wireless networking allows devices to connect and exchange data without physical wires, using electromagnetic waves such as radio waves, Wi-Fi, or infrared signals.