

# Lesson - 3

## Computer Network

### 1. What is a Computer Network?

Ans: Computer Network is a group of computers connected with each other through wires, optical fibers or optical links so that A computer network allows computers to exchange data, Information and share resources.

### 2. Name the different types of networks.

Ans: The different types of network are –

- a. **Local Area Network (LAN)** - The computers are connected in a building or office.
- b. **Metropolitan Area Network (MAN)** - A network designed for a town or city.
- c. **Wide Area Network (WAN)** - The computers are connected by telephone lines or radio waves across country or continent.
- d. **Personal Area Network (PAN)** - A network contained within a user's home that connects a person's digital devices.

### 3. List the components of computer network.

Ans: The main components of a computer network can be categorized into hardware, software, and transmission media. Hardware components include end devices (like computers and printers), servers, routers, switches, and modems. Software components include network operating systems (NOS), protocols and network services. Ethernet Cable, fiber optic cable etc. are transmission media.

### Q4. What is Internet?

Ans: Internet is a collection of computers connected by network cables or through satellite links. Internet is a network of networks. It is also known as Super Network. There are millions of computing devices that are connected to this network either permanently or for a short duration.

## **II. Fill in the blanks.**

- 1. Computer Network is a group of computers connected with each other through wires, optical fibers or optical links.**
- 2. Internet is a collection of computers connected by network cables or through satellite links.**
- 3. Internet is also known as Super Network/Network of Networks.**