

→ peer to peer network.

3. Anpita wants to attach her computer to a network so that it can participate in network communication, which card should he use.

→ ~~network~~ ethernet network card.

4. Raman wants to send a few photographs and songs to one friends by interconnecting mobile phones, using short-range wireless connection, which technology would be the most suitable for him.

→ Bluetooth.

2. Differentiate between LAN and WAN.

→

LAN	WAN
In LAN, two or more computers and peripheral devices are connected within a small area, such as room, office building or a campus.	This kind of network connects two or more computers located at distant places.

3. What do you understand by the term Network security?

→ Network security means protecting data and resources from any unauthorised access.

4. Explain client-server network in your own words.

→ It is network, where several computers called clients and ~~workstations~~ workstations are connected to the main computer called the server.

6. A network, maintained without using wires is called wireless networking.

7. LAN and PAN are the different types of networking.

8. Network Topology refers to the layout in which various components of the network are connected and communicate with each other.

Q. State True or false.

1. Nodes and servers have the same function. - false.

2. Wi-fi stands for wireless fidelity. - True.

3. Network cards are used to physically attach a computer with a network. - True.

4. WAN stands for wide area Network. - True.

can act as a server as well as a client.

to hardware, software and other resources.

Clients are the computers that requests services, like data retrieval storage, etc., from the servers.

CHAPTER - 1 Networking concepts

Section - A

A. fill in the blanks.

1. PAN is a computer network created for an individual person.
2. communication system allows us to talk to any person in the world at any time.
3. A computer network, modification or upgradation of software or data is done at a single point.
4. In a network, modification or upgradation of the software or data is done at a single point only.
5. The computers that communicate with each are called nodes.

Section - B.

A. Multiple-choice questions.

1. Which is the most commonly used network card?

→ Ethernet Network card.

2. The _____ are the certain sets of rules that determine how data should be transferred over the network.

→ Protocols.

3. What do you call the computers that are connected to the server?

→ Nodes.

4. _____ security means protecting data and resource from any unauthorised access.

→ Network.

5. In client-server network, there is no central server. - ~~True~~ **False**.
6. Extranet refers to a computer network restricted to an organisation. - **True**.
7. In star topology, all the nodes in the network restricted to an organisation. - ~~True~~ **False**.

C. Application-based questions.

1. Mr Hemant has set up his office with 50 computers. He wants to connect computers and peripheral device within his office building with wires. Which type of network should he use?
→ Mr Hemant will use LAN (Local network)
2. Which type of network architecture is most suitable, when a few computers, having similar power and capacity are, to be network together?

5. What do you understand by the term Network Topologies?

→ Network topology refers to the layout in which various components of a network like nodes, links, peripherals, etc., are connected and communicate with each other.

6. Differentiate between Peer-to-Peer network and client-server network.

→

Peer-to-Peer network	Client-server network.
<p>Peer-to-Peer network where a few computers having equal capacity and capabilities are connected together to use the resources available on the network. In peer-to-peer network, there is no central server, instead each computer</p>	<p>It is network, where several computers called clients or workstations are connected to the main computer called the server. A server is a computer that provides services to clients and controls access</p>

5. _____ is a device that connects wireless communication devices to form a wireless network.

→ Wi-fi

6. Which network among the following requires a single communication line or one main cable?

→ Bus Topology.

B. Answer the following questions.

1. What is networking? Give some common relevant examples?

→ A computer network can be defined as a group of computers and other peripheral devices that are linked together for the purpose of sharing data and hardware resources.