

**A. Tick (✓) the correct answer.**

- In the network a computer is called .....  
(a) Workstation  (b) Node  (c) Both a and b
- In which topology are nodes connected in form of a circle?  
(a) Ring  (b) Bus  (c) Star
- Which network device connects two different types of networks to share information?  
(a) Hub  (b) Modem  (c) Gateway
- Which type of network spans a city, a large campus or a town?  
(a) LAN  (b) WPAN  (c) MAN
- Which cable transmits data in the form of light?  
(a) Twisted Pair  (b) Fiber Optic  (c) Radio Wave

**B. State True (T) or False (F).**

- A network bridge filters data and connects two LANs.
- Wi-Fi is not used for Internet connections.
- Radio waves are used for multicast transmission.
- In star topology, all nodes are connected with a single central cable.
- Print server is a computer that manages one or more printers.

**C. Fill in the blanks.**

- A computer that processes requests and delivers data to other computers is called a \_\_\_\_\_.
- A network which spans over a limited geographical area, like in an organization \_\_\_\_\_.
- A network device that increases the range of signals is a \_\_\_\_\_.
- A topology in which all nodes are connected in a shape of a star is called \_\_\_\_\_.
- Areas which are enabled with Wi-Fi connections are known as \_\_\_\_\_.

**D. Answer the following questions.**

- What is a network? What are its advantages?

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2. What is the difference between a switch and a hub?

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3. Distinguish between guided media and unguided media.

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4. What is the difference between twisted pair cable and coaxial cable?

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5. What is the Wi-Max technology?

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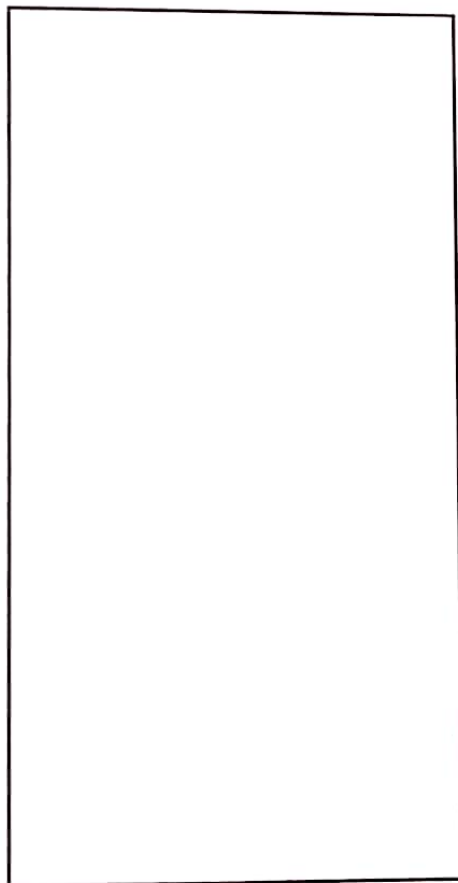
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6. If Rohit wants to create a LAN network in circular fashion then which type of topology best suites him?

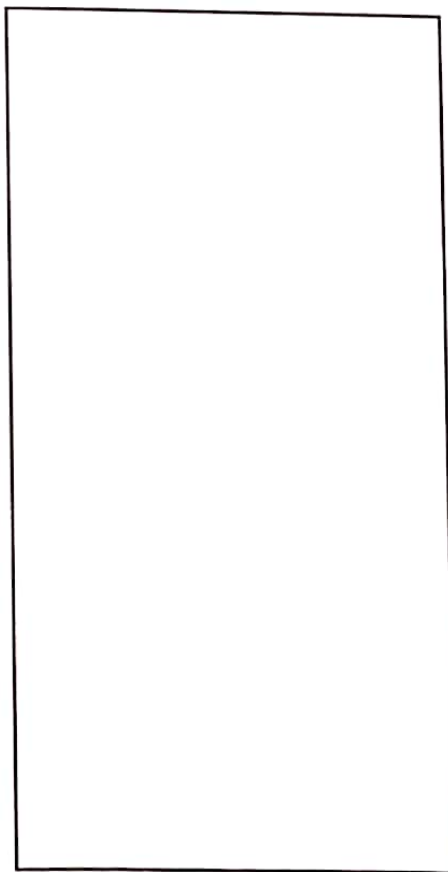
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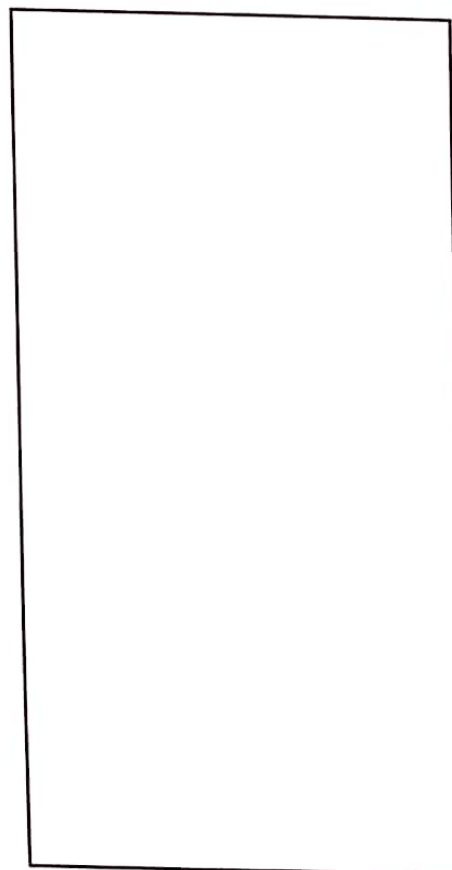
7. Draw the diagrams to show the following topologies.



Star Topology



Ring Topology



Bus Topology

# Activity 1

Complete the given chart.

## Components of Database

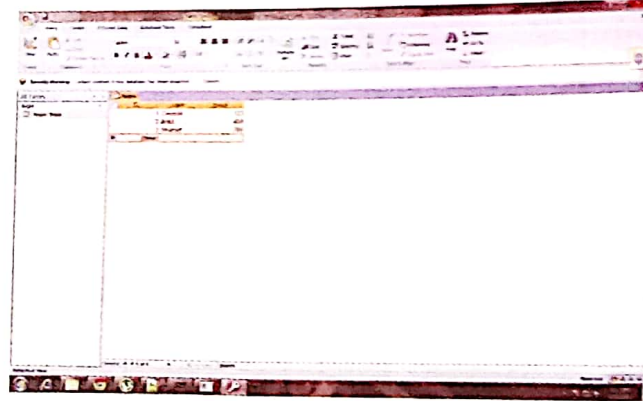
- 1. ....
- 2. ....
- 3. ....
- 4. ....
- 5. ....

- 6. ....
- 7. ....
- 8. ....
- 9. ....

# Activity 2

Write steps to start MS Access.

- 1. ....
- 2. ....
- 3. ....
- 4. ....



# Activity 3

Write the objects of Database.

## Objects of Database

- 1. ....
- 2. ....
- 3. ....
- 4. ....

- 5. ....
- 6. ....
- 7. ....

## (Based on Chapters – 1 and 2)

### A. Fill in the Blanks.

Topology      Currency      CTRL+K      Hub      Bluetooth

1. \_\_\_\_\_ is a physical layout of computer systems in a network.
2. \_\_\_\_\_ is a wireless communication technology.
3. Shortcut key to insert hyperlink in MS Access is \_\_\_\_\_.
4. \_\_\_\_\_ is a central unit in star topology.
5. \_\_\_\_\_ is a MS Access data type.

### B. Match the Columns.

#### Column A

1. First successful computer network
2. PAN stands for
3. CTRL+O is used for
4. Document Tab bar
5. Collection of one or more files

#### Column B

- a. Database
- b. Contains all open objects
- c. ARPNET
- d. Private Area Network
- e. Open a file

### C. State True or False.

1. MS Access support .doc files also.
2. Hub connects two different LAN's.
3. Network services do not include messaging.
4. Memo data type is used to insert ASCII data.

### C. Project Work

- Collect the image of various topologies and paste them in your scarpbook under the appopriate heading.
- Surf the Internet to get information about the history of computer network. Explain how some of the early networks like the ARPANET led to creation of the Internet.



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**Write the full forms of the following—**

1. ARPA .....
2. TCP/IP .....
3. NCF .....
4. www .....
5. DSL .....
6. FTP .....
7. WiFi .....
8. E-Mail .....
9. URL .....
10. VOIP .....
11. IM .....