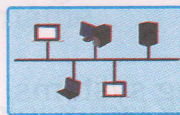## EXERCISES

Section-A

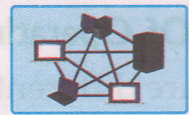**A Picture Quiz**

1. Identify the topology in which all the nodes are connected to a central system.
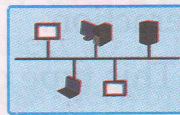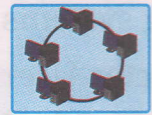
   (a)   (b)   (c)

2. Identify the topology in which all the nodes are connected in the shape of a closed loop?

   (a)   (b)   (c)

B Multiple Choice Questions

Tick (✓) the correct option.

1. Inter-connection of various devices is called ....
   (a) chatting   (b) networking   (c) Internet

2. Peripheral devices connected to the network are ....
   (a) servers   (b) workstations   (c) resources

3. Which of the following is the most expensive network topology?
   (a) Star topology   (b) Mesh topology   (c) Bus topology

C. Fill in the blanks

1. A network can be of any ....
2. Your computer is a .... on the network.
3. A .... has a port where the network cable plugs in.
4. A .... is a collection of Local Area Network within a city.
5. A .... topology has minimal line cost.

D. Write full forms of the following

1. NIC ....
2. PAN ....
3. LAN ....
4. MAN ....
5. WAN ....
6. HTTP ....
7. TCP/IP ....
8. Wi Fi ....

Section-B

A. Answer the following

1. What is a node?
2. What is a topology?
3. Describe the network in your own words.
4. Write atleast three benefits of using a network.
5. Differentiate between LAN and WAN.
6. Write a short note on the hardware parts required to establish a network.
7. Explain the major functions of operating system.
8. Write the advantages and disadvantages of the following :

   (a) star topology   (b) ring topology   (c) bus topology   (d) mesh topology

9. What do you mean by wireless communication? Explain any one popular wireless technology.

B. Computer In Everyday Life (Application-based Questions)

1. The principal of Vidya Mandir wants to connect all the computers and devices within the school building. Which network should he/she use to do the same?

2. Navleena is interested in transferring few songs from her mobile phone to her father's mobile phone. Suggest the simplest wireless option she may opt for doing the same.

FUN ZONE

PROJECT

Collect the information about Hubs and Switches using Internet. Prepare a chart to describe the difference between them.

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