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Roll No. 10.

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Practical 2.

* Create a small physical network using computers and network devices.

I Fill in the blanks.

i) Most suitable cable for star topology is Twisted pair.

ii) The physical arrangement of computers in a network is called network topology.

II] Q.

i) What is topology?

→ Topology defines the structure of the network of how all the components are interconnected to each other.

ii) What are the different LAN topology.

1) Mesh topology

2) Star topology

3) Bus topology

4) Ring topology.

iii) What are the difference devices used as a central device in Star topology?

→ In Star topology Configuration, every node connects to a central network device, like a hub, switch or computer.

iv) Describe bus topology.

→ A bus topology is a topology for local area network (LAN) in which all the nodes are connected to a single cable. The cable with nodes connect is called a backbone. If the backbone is broken, the entire segment fails. The bus topology is e.g. used by ethernet networks.