

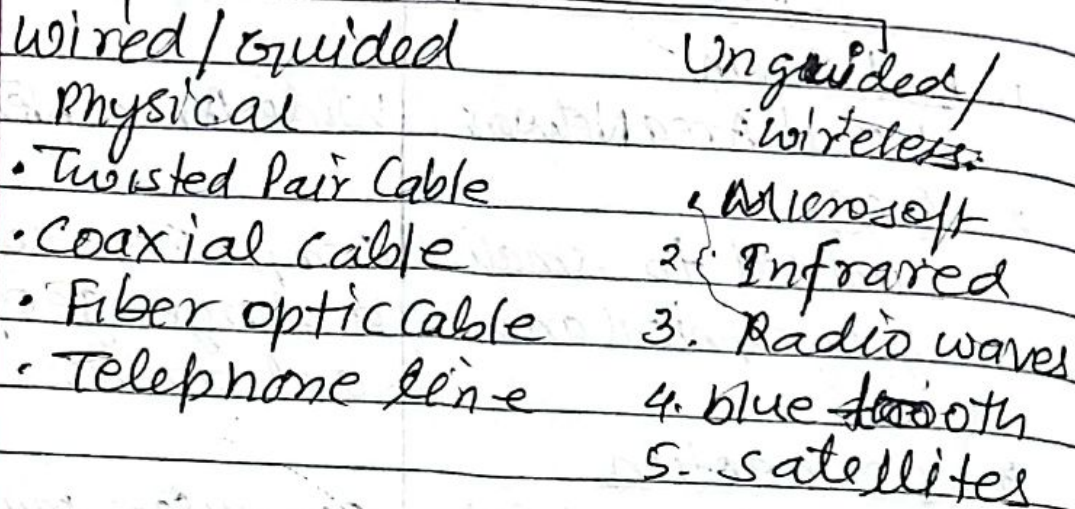
Q 3. Distinguish between LAN and WAN

	LAN	WAN
1.	<u>Full Form</u> Local Area Network	Wide Area Network
2.	<u>Area</u> Limited to small geographical area.	computer covers a large geographical area.
3.	<u>Connection</u> Computer and devices are physically connected.	computer may or may not be physically connected.
4.	<u>Devices</u> Ethernet card is used	modem is used
5.	<u>Speed - Data transmission</u> Speed is very high, 100 mbps to 1000 mbps	Data transmission is low 56 kbps to 150 mbps
6.	<u>Cost</u> Cost of installation is less than WAN.	Its cost is high
7.	<u>Error</u> Its error rate is negligible.	Error rate is high
8.	<u>Example</u> : Computer Lab of school & college	Internet

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Q. Draw Flow Chart of Transmission Media

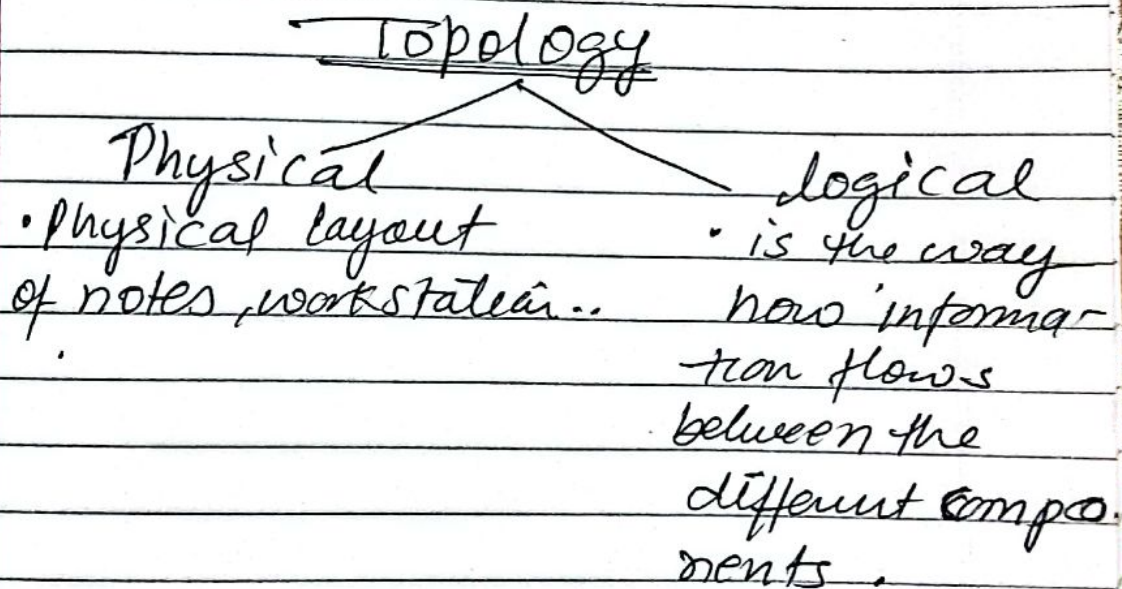


Q4 Differentiate between hub and switch

HUB	SWITCH
1. Operates on the OSI physical layer. Layer 1	Operates on the OSI data link Layer Layer 2
2. Broadcast Device	Multicast Device
3. works in half duplex	Full Duplex
4. Only one device can send data at a time	Multiple device can send data at the same time
5. Does not store MAC Address.	Stores MAC Address.

Q. Define Topologies.

Network topology refers to the layout/arrangement of computers. In which various components of a network, like nodes, links, ~~per~~ peripherals, etc., are connected and communicated with each other.



Q- Label and draw all topologies given in your book.