

Communication Networks

Data Communications are the exchange of data between two devices via some form of transmission medium such as a wire cable.

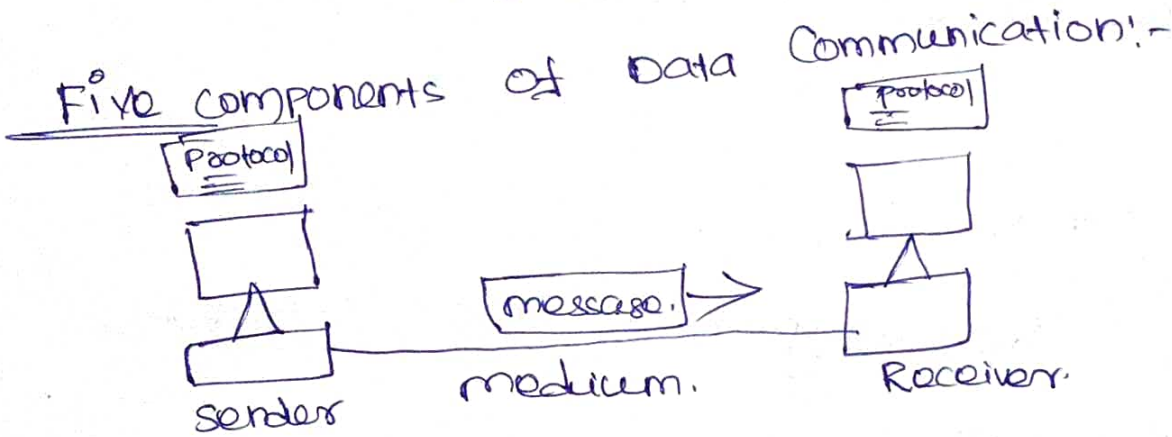
Characteristics:- → data communication system depend on - four charac.

* Delivery

* Accuracy

* Timeliness

* Jitter.



1. message
2. senders
3. Receiver
4. medium
5. Protocol.

Direction of data flow:-

Simplex →

Half duplex ↔

Full duplex ↔

Terminology:-

1. The throughput or bandwidth of a channel is number of bits it can transfer per second.
→ 240 mbps

2. Latency or delay of a channel is the time that elapses between sending information and the earliest possible reception of it.

Network topologies:-

The way hosts are connected to the network.

mesh

ring

Star

Bus

Protocol:-

It Define format, order of msgs sent & received among network entities, and action taken on msg transmission, receipt