per somputor network per telesomunication network strit & wit autonouns autonomous digitat (mosters) devices (nodes) &) à lans data exchanges using wired size wireloss & FORP USE 1541 WITH & connection for sharing resources. (ww or s/w) interiornected by a single terhnology e.g. intrunct. facilitating communication Denabling swift and efficient rommunications between individually and organizations 1 support video confrencing, emails, Resource sharing O Allow user to share 1/w And 5/00 resources @ anable parinter shoring, file sharing Data storage and berest O contrelised dosta storage system that allow dota acress from any devices that connected 3 data barrear and recovery on On Cost efficiency O resource sharing it int 10st 2011 & strat sidure son after duplicate you t

Reliability and Redundancy star reliability through 1 Enhance putry and redundant alternade rase of failures. System in

Bussiness and commerce

- DE-rommerce, online banking, Stock trading, etc.
- @ faciliting remote working and Nobal Collaboration.

e Education

- DE-Iraning platform, virtual Massroom ordine room, est.
- 3) faciliting responsely and know lydge Sharing.
- Heath rand
 - electronic dectronic O Telemoli Tale medicine, patiente, helte monds, remote Patiente monitoring et.
- (9) government services
 - O E-governance online public services serure rommunication between governout agencies est.

DEntartain mont

or ordine gaming, streaming sorvices, social media platforms etc.

scientific seseonen,

facilitates data sharing and collaboration on research projects between institutions.

Travel and nospitality

Or online ticket bodging, hosted reservation, ones, and havigation provinces est.

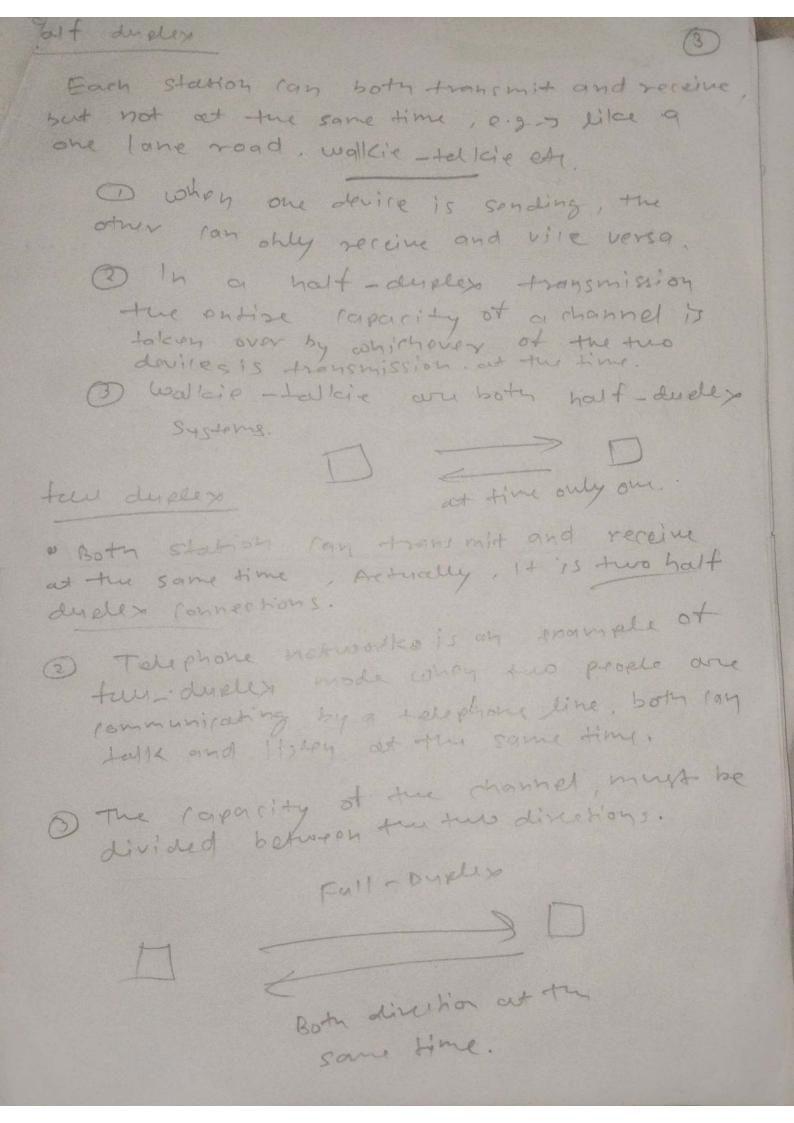
Bate Jamuni white

data between to two divises via some transmission mediam is ralled para rommunitation

Data communication system has five components

- @ message of information (data) to be communicated
- (D) sonder device how sonds for message (D) sonder - phone, (amera ed.) _
- Bereiver device how pricious the message (computer, phone, tellvision etc.)
- 5 Transmission medium ++ is the physical

travels form son, porty by which g me yase to receiver. 3 protocol - which includes syntax, somantics, timing, se facto, se jure. Lextiandios video Ruls) (message) (Roseive Sprider medium Andri wirelan O simpley The rommunication is unidirectional as a one-way street, one device always other ran always receive, eg. Radio, mouse, The simpless made can use the entire capacity of the channel to sad data in one direction sindles one direction receive Sondor



constens

able to meet a repl A network must be the most imported of number of criteria

1 Delivery & Accuracy

data at destination May town together

- (B) Performance Pertormance est est factors et & like - transmit time, response time, number of users, type of transmission medium, capabilities of connected 4/0 and officiency of software
- 3) reliability , is a measure at frequency of failure, and tra time teleen to sesolve form the failure.
- (9 security -) Includes profeshing days from from damase and dovelop navity.

Rocein Sonage medium

@ Point to Point point to point connection dedicated My provide estate & two devices as between of ut sonnection that & of apprecial longth of wise or rable on use south & or other ophions of and est of microwave, satelite Unics arralso possible. med diported of pa single line it multiple devices Connected \$ 50 500 multidrop an asid 6 Rotor to the way in which a network is laid out physically, Topology of 9 networks is the signature of pre sontation of the relationship of de the dules and linking deries to one another.

Da contral line or है एकी हामने की Ado Easy of installation 3 use less cabling than mest or ston topologies. DIS > O DIHITUH Hronneet on and tout isolation @ sifficult to add here devices to network A fault or break intry bus rable Stops all trains Temper isolation Olook like mission. dis + A break 1581mslifted. in the oring run clisable tu sort on contract has 南田 第一个 51-1日 एड कार्ने हैं। A की ड In rommunitate क्रिक र्या मार्ट hub à unour func 6 À W WITT. Dis-Doppendong of the wolf topology on one single point, tuhyb 3 often more cabling Is your Ad tess expensive than men topology in a sten tun @ Easy to instacy and reconfigure and less lostly 3 12 is nobust, it one link fails only that line affected, 3 Easy fault identification, and fault kotation

4 n(n-1)/2 total verice . @ Robust 3 Raiyay or @ fawt Identification and fault Isolation pary Installation, reconnection The shope bulle of