Kunal Kushwaha

2/7/22

Computer Networking

COMPUTER has a full-form

www - Tim Berners-Lee

ODP

Packets ?

Ly Search Engines

Internet Society CRFC Editor)

Client - Server (Request = Response)

TCP - Transmission Control Protocol

clos. / Data needs to be reached)

HTTP - Myper Text Transfer Protocol

IP Address (x.x.x) > x - 0.255

4 some are reserved

4 and ifconfig.me-5 COWN IP)

ISP

Global ID CHAID Address

thich device Modern /Router

Local IP! Local IP 3

Device 02 03 CASSINGED CADHO POISU

I device can have many port numbers Capplication)

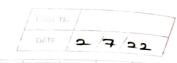
IP/PN

Ports CIG-bit) 2"

HTTP - 80 @ Mongo DB - 27017

/	PAGE	No.		
1	DATE	/2	/7/22	

	0-1023 - Reserved Ports
•	1024 - 49152 > Applications
	remaing can be used
	Julian
	Imbps cmega bits) = 1000000 bits 15
•	1 gbps = 109 bits 15
	1 Kbps = 1000 bits 15
	sub monne cablemap. com
·	Physically: optical Fibre, cooxial Cable
	wireless: Buetooth wifi
2	why cables & not satellites - Faster
-	The solution of the solution o
	LAN: Small House / office
	La Ethernet, wifi
	MAN: Across a City Internet
	WAN : Across countries
	La optical Fibre Cables
	O SONET CSYNE Optical Networking
	@ Frame Relay Clocal to WAN)
	Modem - Digital to Electrical Signal
	Protes Data Lacet
•	
	ISP - Tier (CToto)
•	TEP - Tier 2 CAirtel)



	7-7-7-2
•	Topologies
(i)	Bus of consend data of a
	A
•	Ring O B CEveryone connected to other)
	0-0c
	<u> </u>
3	Star (I pc connected to others)
	Central fails = everything fails
	5
(Tree CBUS - Stord
	Combination)
E	Mesh - Every single computer connected to
	every single pe cexpensive)
•	Structure of Network :