	_
Set of rules and regulations are Protocols.	
Internet - Represent WAN	
internet -> Reporesent LAN	
Network core one mash of routers	
Network edge one end wers.	
Routers are devices that connects networks.	
Routers do packet suitching i.e. proudding as neede	01
wolfing the when recieves recieve, sender morros	9 .
Resource utilization one Mrough-put.	1
Dynamic Adapting Streaming over http	
Dynamic Adapting Streaming over http Tel one chower than UDP: UDP is used for streaming	_
· l'adret size one représented aux L com he in bits	
· Bandwiths one R.	
pandwith of limb by 1/R.	-
pandwith of limb by /R.	
1 L R) -> More delay Less delay.	
· Rosters mushyp one network core which have more	
relovablity.	-
Metwork core	1
Roubing	
Routing He route (moving packets on) (Reciding He route (moving packets on) of network using) souting algo.	
souting algo	
COSX	1

Kowtens run of 1P addresses Unless the recieves acknowledge reciening packets, the sender donet glelete copped packets in butfer.

no. of hops x YR Packets stoned in butters known as givene o When RI and R at first then RI after router; Then a querie will be generated. . When butter fills up then mone packets. arriving at the pouter will be lost. * Frequency driving - allocates seme amount o Pine division - allocates higher resources for specific time for one user · Vier BP are international service provideos. · All Fiers connect to IXP. · 1xp ; now commented with Regional 15P.

Then it is more distributed to access 13P which are internet promiders locally. - Processing delay which occurs when request process Through all layers - Queue delong (occurs when packent size and parola ichth dista) -> Transmission dely socure under puckets - donot more horward) - Propagation dely occurs when working from one part to another

Presentation layer desides the data representation.
Presentation layer clesicles the data representation. Application layer contains process with a gateway. process braffic are assigned to with soclocits who are combinations of IP and Ports (2").
process traffic are assigned to with soclocks who
are combinations of IP and Ports (2")
* process 1D which are
· Promsport layer contain PCP and UDP, Conject contain more input less output. Flow control decide the flow mad mount at
contain more input less output. Flow control
The first of the property of
ICP is not secured which is why we use
significants, it me glower
o UPP is hister used for gaming.
Metwork layer contain network aleggen If interacts with IP address. (Source / destination).
o Data link layer contain suitches contains
prisical layer decides & topology. I the
The second state of the se
· Effected Hacking one used to check hacking.
· Packet snitting is when a third some gets criticis
Packet snitting is when a third serves gets criticis between a source and destination.
18 spending when source is someone else and is ghown someone else. Just like UPN
is ghown someone else. Just the of wowest
Denial of service request when lots of request are generaled that all request one blocked.
are generoused
COPY

Sun Mon Tue Wed Thu Fri Sat	
CHAPTER # 02	
· Application lover 1. A. 1 1 . H.	
refuerte core devices.	
· Softwares are for end devices.	
0/101/10/ 0/1	
Client regrests and server responds.	
· 12	
Cookies an current state stoned by assigning. Cookies an current state stoned by assigning. Cookies and current state stoned by assigning.	y
Cookies an current state stoned	
a client ID.	0
n Peer to Peer no need la	4
· In Peer to Peer no need to be always on. Rose first approch is used in Pto P. Client is also server (in Pto P.	
Colient is also server (in PtoP).	1
o In client Dermer a central server helps dient	
Communicate. helps dient	2
· Sockets are combination of IP and port.	_@
(Marian)	-@
Message genentaies have a checksum field	-03
to identify errors.	-0
· Error corrections are only done by data link	-
layer.	A
· message synten determine details of	1
The message Sent-	-
	The same
· Dorta integrity depends on relability.	-
1825 Uberanies Secure TCP. commerting data	-
into eneriphion. Cypher fext.	-2
	-0

	Objects load one by one on the web.
0	Highest resolution load at the end-
0	HTTP USES TCP Per relability.
	HTTP was striteless.
<u> </u>	HITP -
>	Non persistent. Persistent.
2	RTT -> Round Trip Time -> The time it takes for regul
	to be sent from client to server and is
_	Corner to client.
	· Parcistant is buster Than non persioner.
-	· For non persistent · (HTTP 1-0) 2RTT + File download time.
1	· Per object need 2RTT in nonpersistent
	· Persistent use HTTP 1.1
1	· Persistent ose Holl State of the state of
	Illighted George Jobs Comment
100	· Specific URL embed -> HEAD
	· Sending input - GET
0 "	· Asking resources -> GET · Upload on web -> PUT · Upload on web -> PUT
	· Oppored on web Copying destu on subserver horn main server is
745	11 1/201 21/1
2-	as a intering through cooking
-13/5	« Couhie Ids oure used to ease use
	· History is cookje.
- COMP.	

Sun Mon Tue Wed Thu Fri Sat · Satisfy client request without involving moun server. · cutto caches are local servers where cookies once mountainted. Otilization = Badlath utilize / Total Bandwith. · Increase accese link = Bester Utilization lower instell web cashe a Rolling whilization lower · Access link increased means cost increase. · (it cache is one sine investment · Modity constraint is used to prevent check any updates in main server by " In HTTP2 priorities are set in sending objects, (streng / round robin · In HTTP3 UDP is used in framsport layer and all the Security is shifted on application · Now programmer secure it by wing QUIC · ATTP 1.0, 1.1 and 2 wees TCP. HTTP 3 is forster. · Email we simple Mail Transfer Protocol. SMTP " Weer agent and maik peoloton. · Mail -> Mail serves (sender) -> Checking-> Mail server (reciever) -> User agent · Greenny - Transfer -> Clousen (SMTP) · User agent is the mail composer & viewer HTTP is alient pull -> dosta is pulled " SMTP is drent push. -> data is pushed.

	Date:
/	Sun Mon Tue Wed Thu Fri Sat
in peer to peer.	
(Doutand Time)	F/u, F/dmin NF-/(u, 2011)
(line)	
· Client C	clients-
· Client first register in france	Les in PZP.
· Even will see seer changes	
Every wideo has a manifrest to server. (Borne rodes)	The containing URLS mintained
ECN detect	
ECN detects conjection while promage frame rates in	strange stored video to
Content Distribution while	conifiest file.
· Meta	work (CDN)
: Web register is made by DNS ND (Stroly its in	first Adomain and the
Process (Stroly its in	portant
DNS MP (Stroly its in Process & identified by	PID and socket.
Soclest	3-
UDA	
- no connection	TCP
- non relajable	- connection build
	- relaiable
- non recoverable	- seconerable
·	