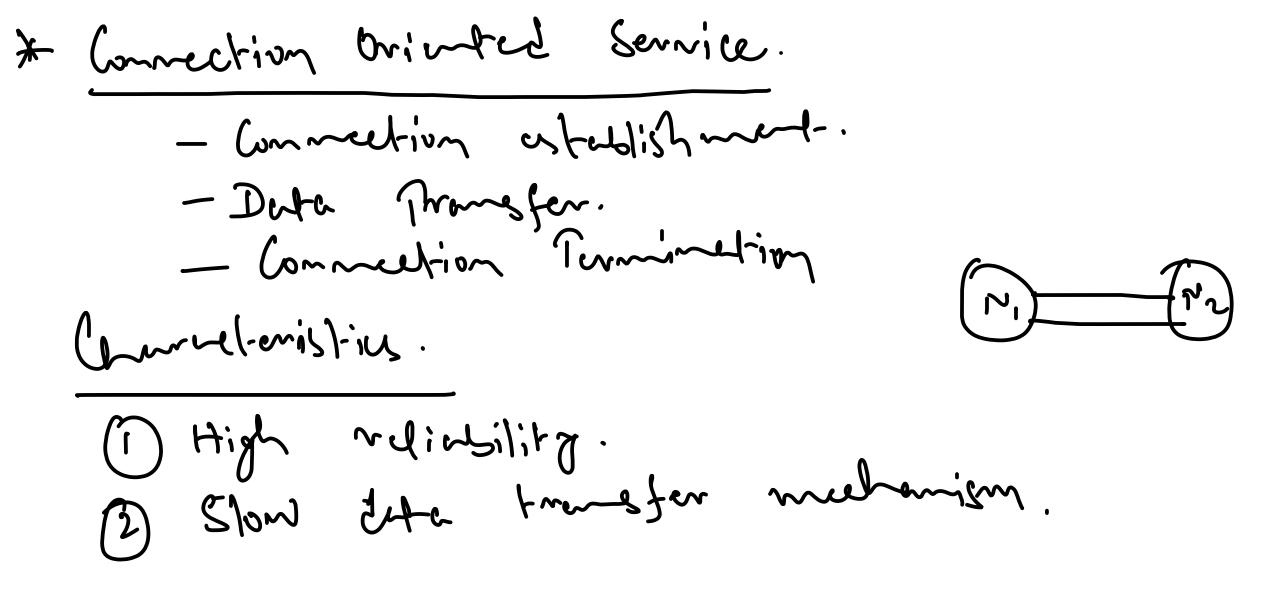
Unvr-3. Internet Brotors - Internetworking need. - Connection oriented vs connectiontess - Jb~4.

- 117~6



- * Conncetionless Service. - Dure transfer tukes place who any sont of connection establishment blue the sender & receiver. - low refirbility. - Fust-deta (numeter menhemism.

* New layer in the Internet. Principles. - KFC 1558 1) Make sure it works. (3) mink about subout @ Key) it simple. (3) Consider performence 3 Marce drem choices. by Log-, à En Noit mobilarity. (2) (27) ret heterogeneitz. (2) (3)
Avoid Static pyrtions & prumeters. Be strict when senting & bosen receiving.

Regransibility of Nha layen 1905-- to-host delivery.

1204ing through nonterel switches. Motor internet (212) protocol viv connetionlesses service. Eg:- Port Office. > Commat the molymen in the Trizer is Connections.

1124. - Internet Protocol Version 4. - Umndiable, connectioners, uses detegram - "Best effort delivery" service.

No unon writing

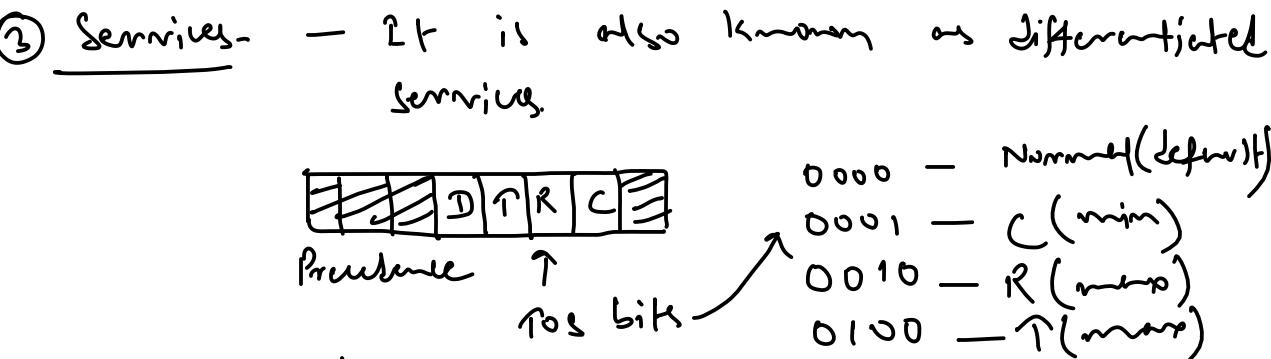
R

1. No flow control work

I hogether

1212

IPV4 Datogram 1-0m~ 232-61/5 SURVILLA ? Lenti fichmon していていい (8-5145) J'1) Afgrox Some Dust- 11) Address (32-bits Options for none monds) * Herber - (20 to 60 bytes) < Field. bugo n Varsion of 212-4 Current version -4.
Version 6 -. - ip-g HLEN No grtions - 20 bytes (S)x4=20) - 60 2/1-4 ((15)x4 2 60) Options



(mim) (— 0001

D: Min. Leluy.

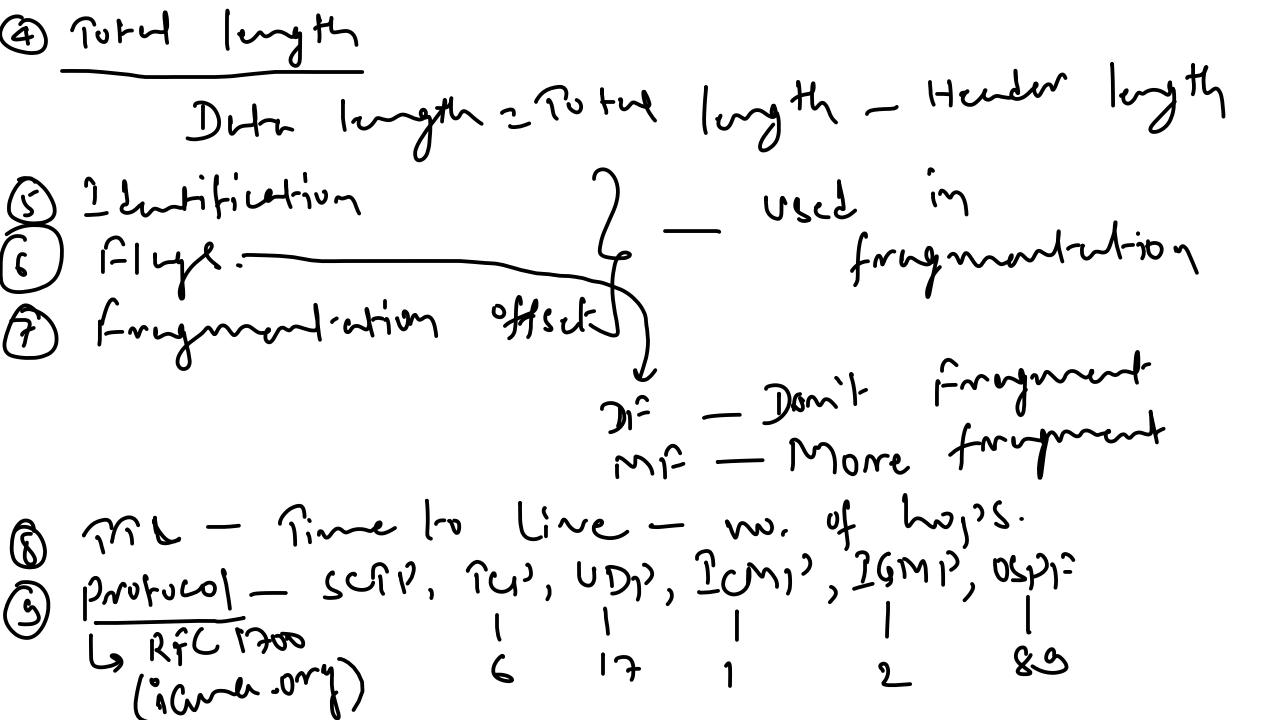
T: Mar. HerrorghyrlR: Mar. 12eliusility.

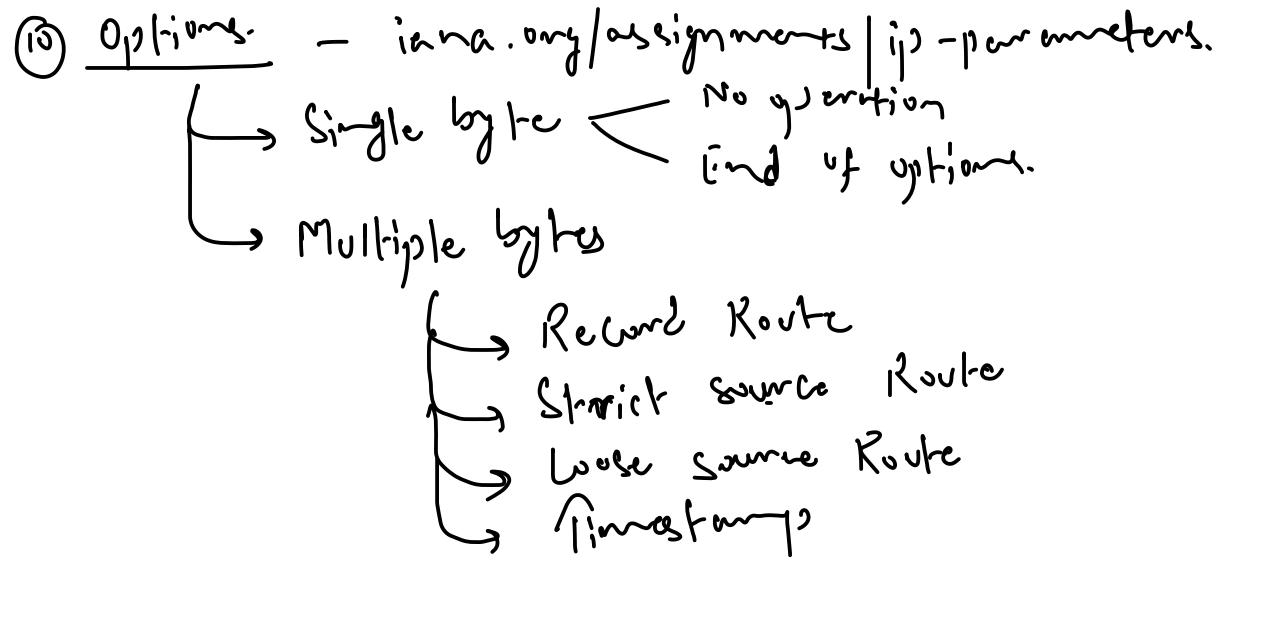
C: Min. unt

Thetivities with immediate attention—min. Iday.

() Activities with immediate attention—min. Iday.

() SM712 (commend), SM712 (commend), veur dan) sal 'aus 2) Some bolk detre - mar 1. 5) frp (sete), smr! (sete), smr! (sete) 3 Mynt (MW) activities — mar 12. Los 2GMP, SNMP. FBukground adrivities - min C いっつい.





An IPv4 preket trae arrival with first 8-bits as 01000010. The receiver discards Hran

* (invitations of 31)~4. 1) Attress depletion
2) St-nutogies & reservation of resources not provided 3 No arrystion authorition in Place. 11 switch. 2126 (2Pmg) 712 nept generation.

* Adrantages.

(1) langer aldrers space.

Better herter formet.

(3) New options.

Allows for extusions

Es support for resource allocation contiduticity.

(3) Support for more security: Integrity.

4-5its 4-5it Flow label. Source Add. (16 bytes

Congation Junia Congustion Non Confestion Controlled 10/10mpro) freffic to-> 15) (muffic 120 specific treffic Buckground deba grentest. Unestended Leta troffic Konsender (cherved Attended, brik data Reserved internetive truffic Control (miffic

Compoure blew 2,724
Leaders. Assignment

French from PIDVA to IPV6

Drud Storek

Drumbling A

3) Herber manslation

Aldras Mapping. physical solves
Address (LA) (PA) Nock of two land addressing. Different psysical was. Queses. Different proposed at who layer.

Wryonies Mayoring. (-us/e-butch) (AR1), RARD, BOUTH, DIACIO 1) NICE (un charge.
2) Locar Park. (Apple) — 12A charges with every book.
3) Mobile derives charge 12 hyrical whose. ARP. _ Allres Kes marous). Logical -s Prysical. ARP rupest -> broadenst-ARP mysty > umicust. Alsh resply. Ryput

Parket 1-onnet (AKI?)

Hlv Tyre Protow) Type	
412 (Rey - 1, Ry) - 2)	
Surfer Hu Addras	
Senter Probotol A22.	
Target 176m tel.	>> V~~k~~~~
Target photocol Ace	

* Four Cases. ; Target 1)? O Source & Des! on are in some ofw. Esserce & Disting are on lifterant whw. 6 212 Add of router. B) Router receives a profess from nouting A Roster is sording to be unother Mr.

Mazising Pol Addruses.	_
Condra	
1) Disklus station	alloution)
(2) Not enough 212. Clease	
x. KARP Kononse	
(dient surer program)	
limitation RARP Physical Aldr	esses - NIC
bester	

· Replacement of RARP 120091 13001-81-nay Protocol @ Mint/ Reunen dol), Jahr morrens. (P) Rely mynt. 13oots Vient K my are som different atwo. in come

Limitation of Bours. - Not a dynamic configuration protow Much of maintaining fesses manually.

* DHU? - Dynamic Host Configuration Protocol Static Dynamic

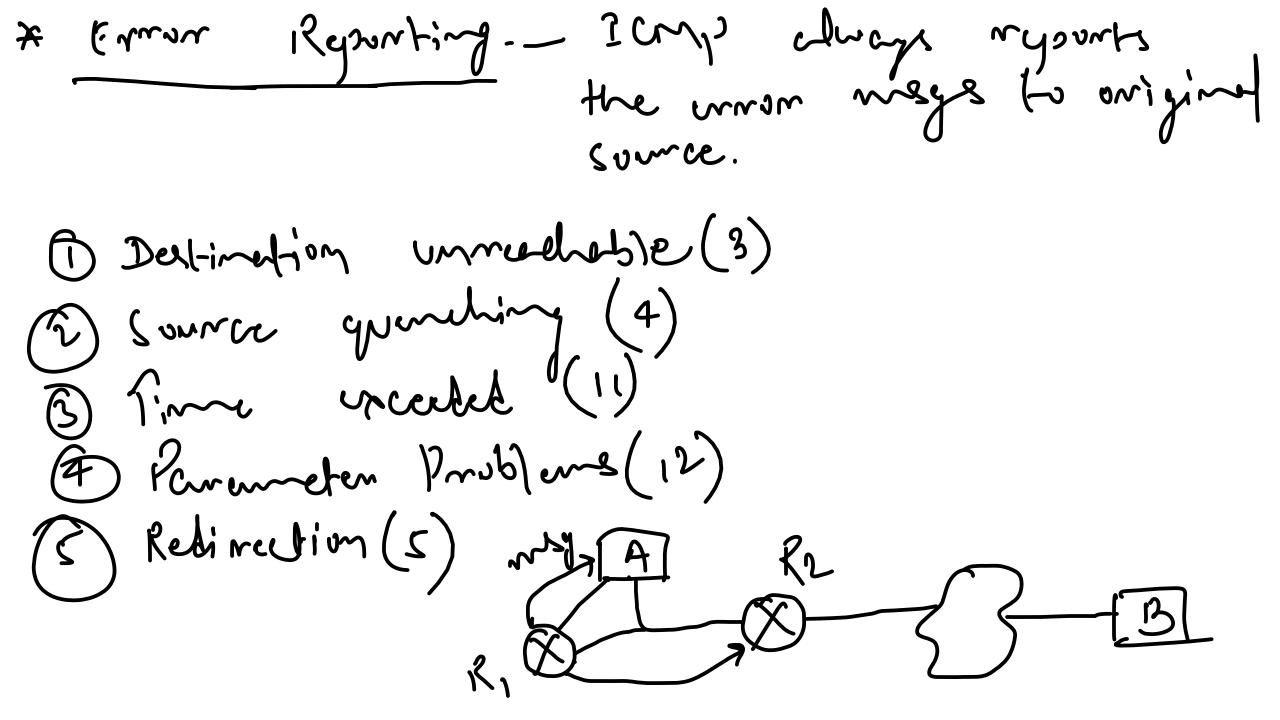
Manuel

Grandigunation

Automatic | configuration

一一、ハイン・ Internet Cont-not Musege Probow mo deficiencies of 21). 1) lack of assistance mechanisms. * Types of messages Denror rysorling nusnje 2) query message

- 16 (Mer of mig. * Msy formal: Type Will (heekenn Reyt of header. et Duta Seut-ion specific for gen does Time the original preket that had an reparting or from the lyse of grang.



* Query. - dignose the Mw proyens. (Echo regrat & rys) - Liegnostric
(8 & 0)
(13, 4) 3 Azbrus Mask R&X - 25.0.1.2 - unknown (17,18) Router solicitation & content (1085)

advertisement (1085)

Address of router

whire & functioning

Pul-0 (2) [20] Suite.

いし、ひとしら かん ころいろ ここ ろのから s orp ry Transport Luzer. 29mp 20mp [17va] A12P 12A2P N/w layer Underlying LAN/WAN technologies (tugl--1tast lager. (PL+DU)