CSE-320

Assignment 1

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Ans: to: que: no: 1

The communication is being carried out in Transport Layer. As in first it functions as connection control and then it works for flow control. which are the tasks that gets done in transport layer.

Ans: to: que: no: 2

In my opinion (c) Online Banking is more sensitive to delay, than (a) Live streaming of a cricket match and (b) Transfering a File. Because, if delay happens transaction of money in online, it creates problem in many ways. Like both sender

and reciver may think of the delay as, their money is lost. However, transfering a file and live streaming of a cricket match, delay does not create that much of a big problem, bit it hampers user experience of the services they use. But it is not as much alarming like transaction delay in online Banking.

Ans: to: que: no: 3

For n - number of devices,

Mesh : Full duplex : $\frac{n(n-1)}{2}$

Half duplex : $n(n-1)$

Star : n

Ans: to: que: no: 4

In term of data we can represent it in different form.

① Alphanumeric :- ASCII, Unicode.

② Image :- JPEG, GIF, Png etc

Ans: to: que: no: 5

1, 2, 3, 8 → End devices

5, 9, 7 → Intermediary devices

12, 4, 10, 11 → Transmission media

6 → message

Ans: to: que: no: 6

The topology has three (LANs).

As in the topology we are seeing all three routers have their own seperate network. Local networks. For instance, R_1 router is connected with switch 1 and switch 1 has multiple End devices connected to it. This makes one Local Area network. Just like this, here

we have three (LAN's).

If PC1 wants to send data to PC5, then the first hop the data will go through is PC1 to R1.

Ans: to: que: no: 7

a] Internet

b] Network Access.

c] Application

d] Creating Vsen datagram

e] Network Access

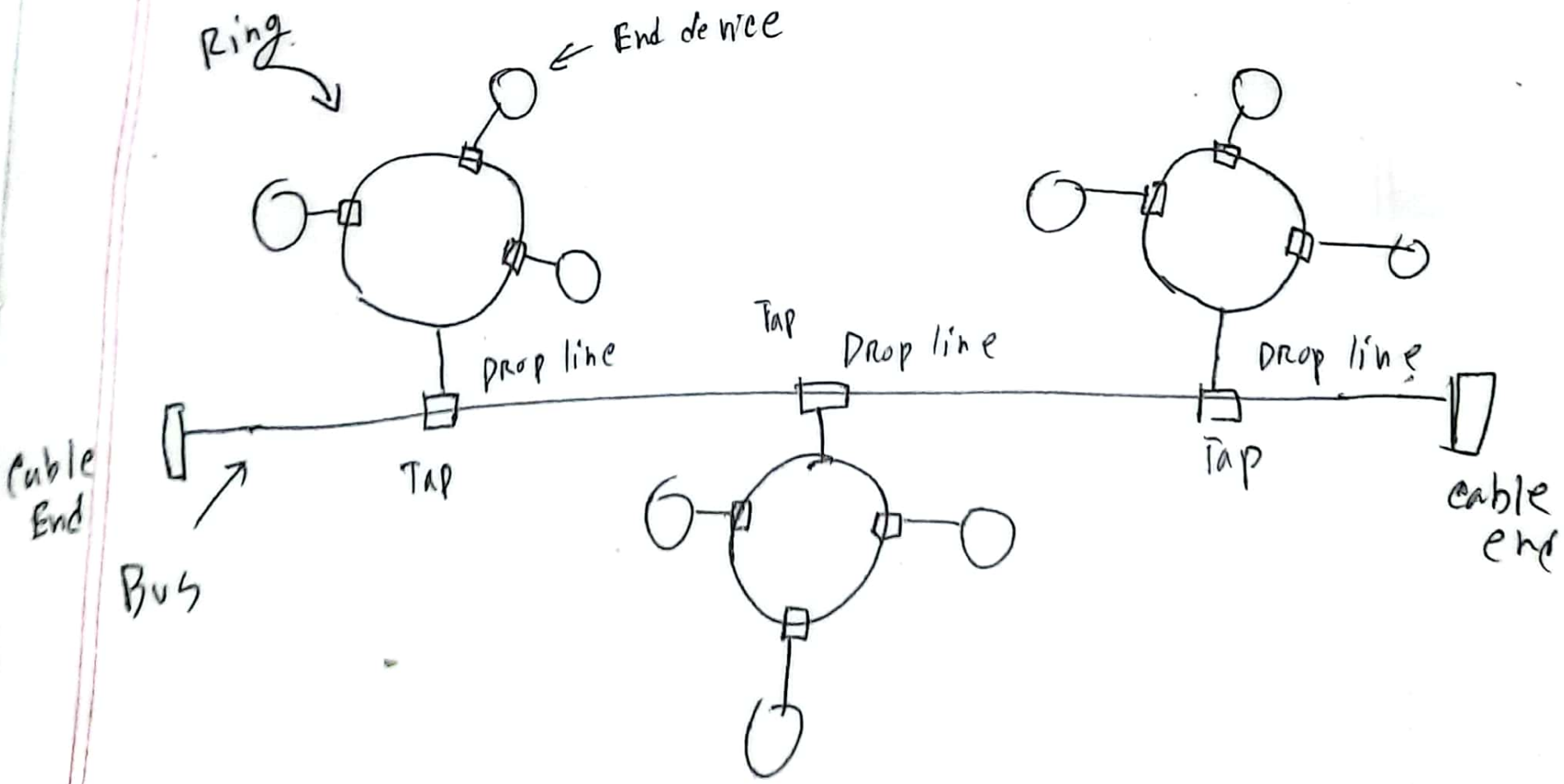
f] Network Access.

Ans: to ique: no: 8

Presentation layer is involved in encrypting the data of a packet.

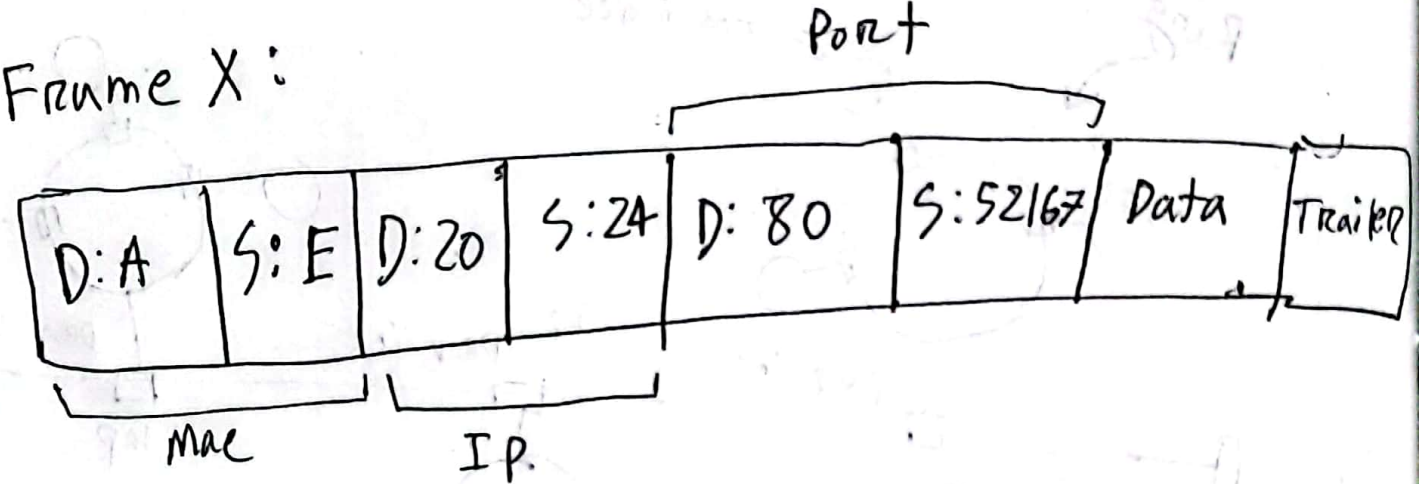
On the other hand, ~~Mac adrre~~ Ip adress and Port adress does not change at each hop.

Ans: to: que: no: 9



Ans: to: que: no: 10

Frame X:



Frame Y: