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Roll : 07

Courese code; CSE 303

Courcse title: Data Communication

section : A

Year : Spring 2020

semesters: 3rd years Ist

Date: 25-08-2020

## Ans to the Q.NO: OI (a)

TON 18101007 TONING TONING

3/4 X 5 7+1 = 8/4 . end illean on

sery = 16 + 1 = 1 pologot to be bedon a

In mesh topology the link we may need

 $=\frac{8(9-1)}{2}$ 

= 38 We need 28 link,

In stare topology the link we may need:
there is one computer with the hub.

So me we need one 1/0 porct to be
connected with the hub with one link.

If I choose, I will go fore mesh topology.

Because it is the morce securce network.

All the line in this topologys cure

point-to-point and dedicated line.

when we tray to send some inforemation

from one device to another therees no chance fore third percty, also therees no treaffic issue. And "it is also a reobast topology. So It one computer get down others can work preoperly. So I will go with much topology.

## (6)

If I want to communicate with my fried I will choose stullhalduplex data from Jok my communication.

Because Half duplex commonunication is like two-way street with trafficome at fouring in both both directions at the same time. So we when we will communicate we can both one talk and disted, will talk and other will listen because we have a pook will listen because we have a pook bandwidth channel. So what I have to use half duplex

One advantages and disadvaritage of

Tecipine data . One at a time

I made is that the other device cannot sond data until it receives the data which is adreedy treamsonission.

One dis advantage and disadvantage of fulf duplex:

on both sides

as the same line is used fore sending and receiving data at the same time.

## (b) An. to the Q.NO!- 02

"Like Data Link layers, Frencots control and flow control area also performed "in transport layers in end-to-end rechnered than on Single Link."

In data link layer we see that the ercreare control and flow control arce perceptermed. Also in transport layer ercrore control and slow control happen. Because when segment went trom process to process the flow control prisure to stand maintain the stow end to the process. And when all the segment arce gome process to preocess the Ercroore control sight make sura that all the segment of mon in sercial sequence, so that theres er conflict. Transport layer do this process. to process till the end to end. Because that way we can transmit the data.

(a)

The difference between 2 boom 47 = x

= 49 mod 6 to the they deposit

Amenagive is an Mean

21 X= (4+1) mod 6 1001 to some 2000

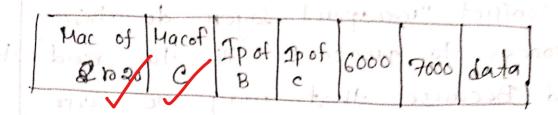
essential transferred from 5 =

pardicioniste 15 a il solo di dicionesad

pet and pez down we won to

MAC of MAC of IPOHB IP of C 6000 7000 Bata T2

Mac of Mac of Ip of Ip of 6006 7000 Data T2



## Amototae Q.NOLOY

(a)

the difference between bondwidth and throughput and are:

-throughut is an actual moveasurce of how much data is sac cessfully transferred from source to destination and bandwidth is a theoretical measure of how du much data could be transferred from Source to destinate

Si mor of state size occo 2000 Data is now