Mid term Exam Date: 25-8-20 Subject: Data Communications Pg: COVETL 10: 181010081 Course code; CSE 303 the preparation theory regard the la Sec: A Dept: CSE alabe & to the lap sunfreque the offer Name: Md. Nakes Intiaz Ahsan years 3rd ist missing sid . I gard semestend 18 + 1800 () acially as much of Bring they want house of going Bring osocia loss to to don - 55 to - box 44 borg - ce in the Mit to some some some some stage and any our In switched wife the things the I as whitehop parties 11 00 to 100 11. FAMON BY THE BOY WHITE IS THE March och History for thory och, banks a we to plugge sample, residue eval bick House per Mustale Lack to Marille 129 BBS

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My 1D: 18101008

For Mesh Topology:

if n = nodes then the theory is, n(n-1)

who have many more

= 36

For mesh topology 36 links will be needed Mach were note beach, all power land

for star topology:

There is only I computer so there will been needing only I link connected to hub.

fore morce securced network, I would present star topology rather than Mesh topology.

we know mesh is connected to

connected to each other. So if one mode is attacked then other nodes will not remain intact. On the other hand, in store topology the nodes are separately connected to a hub. So if one node is attacked then other nodes will memain intact: because they are not corrected with each other.

Ordis why I'll choose Stor over Nesh topdogy.

12



Subject: Date: 80008 Half Duplex: 1) It is easy to implement Disadrantage: Drue speed of this transmission slower and it cannot flow data simultanously Advantage: Data firm is 6 both way. It can flowed rerine send data simultanously Dis advantage OIT takes more bandwidth and more costry

Date: Subject: 1810/008 742 to 752 Mac 2000 roz to 750 = Joshos wall slavely in lp Mae

May Mae 10 1000 day T 850 F F F

So the six points are E, 740, 742, 752, 750, F,

BBS

B Transport layer provides services to application loyer and takes service from network layer. It implements flow control & Error control after reciening formatted data from uppen bayens. So if there any problems in the node's in can be detected recourse it searches in the nodes.

On the other hand DLL cannot defect problems in the nodes, it only can detect problem between tuendesteause it provides Proor control and flow control to see if the Frances are danaged. the later word of the right of

The sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sale of the sa

A THE RESIDENCE AND ASSESSED.

Date: Subject: 18101008 Ans To One 2 No: 9 1D:08 X=8+1=9 B = 9 9412 SNR = 10x 1= 10 eapacity = B x 100 (1+ SNR) = 9 × log (11) 31.134 Mbps Again by Nyquist bruway, bitrate = 2 x B x log(L) => 31.134=2×3×109(L) -. 1g(L) = 1.72

If we nound ap tuen level will be 2 or

for a wet bit rate = 18 Mbps bit rate ~ 36 Mpps.

Bandwidth is the difference between highest and brest mequency. It is measured as bit pen second.

Throughet & fee measures how many packets arrive successfully at the destination.

Throngput cannot be greaten than bandwidth. If provides the sinformation that how tagt two net speed is are The actual number of polkets being transfored.

Subject :

Date:

on the other hand, bandwidter in the theoretical measurement of the maximum number of packets fact own be frankensed.

30 bonder turoughput cannot be greaten than bond vidta.

BBS