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Semoster: and year 1st mennester

Course code: CSE 303

Course Title: Data Communication

Date: 25/8/20

God resimplaces Amo: to the Q. No: (1) ony ID is 18101029 Here x denotes mesh topology. So One moran has 10 computer we and cornected with y denotes star topology. So another room mesh topology. has 3 computer and connected with star topology. In Fort x one 10 computer m. has, 10(10-1) works 1000 tou 2 45 links og of And A node hos, (10-1) porets. g pordn.

Fore another retar topology 23 computer has 3 limbs. Here's every computer has connected with a ringle hub.

Between mesh and star topology I prefer mesh topology because, In mesh topology its easy to fault identification and isolation. Here we didn't face any traffic problem.

This topology is very robust and secure.

Dut another topology stare, in dependent
the whole network dependent on to a one
ringle point. O (hub). If any problem acom
in hub then are disconnected at to all the
connection. Not well rewrite.

of prefer mesh topology:

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7 2 (3+1) mod 6 2 4								
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(v) of 1 D what of or A like data link layer erron control and flour control arre also performed is transport layer in end to end-to-end reather than on single link. Here, remore control at this byer is performed error control at this byer is process to process to - process realher than across a mingle link. The rending transport layer makes surce that the entire menge arraives at the receiving transport layer acéthout ercrore; Also Flore control transport layer is responsible for flow control aveross a single link.

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(a) Here my id is 18101029.

229+1=10

429+1203

50, Herce boundweidth = 10 MH2

2 10 30

0 = 10×16 (1+30)=

C2 10 X10 6 (1+3

c 2 10×106 log (1+30)

2 10 × 106 Gen × (Final) 5 Milling

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= BO TO Mbps

Bombps = 2x 10 MH2 x log_2 50 Mbps = 20 MH2 x log L 609, Lus 0500 Mbps 1000/ Hourisolog, 4 b = 125, 100 cog2 2 log 2! Itaking floor value entire board enedth.

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Bandweidth means the total network the network provides but the throughput is the limit which is actually a user used, bandweidth is greater than troughput. Bandweidth provides the totall network but throughput means network but throughput means which are actually used in the certifice bandweidth.