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Hear : grd semester: 1st

Courre Code: CSE 303

Course Titale: Data Comunication

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(3)

Na

De 3 reonne connected with a hub.

If I were to choose between mesh and state topology to morce recure network. J will choose steve topology. Becare mesh topology has Difficultion in installation, Difficultion in reconfiguration it is highly contly and also big space. Otherce side stor topology in less expensive, network security also increases, if a node is affacked, the rust of the network still remains intact.

(b) half-duplex:

Advantage Sender can rend data and also can recive the data.

diradvantage this data flow is one time each, that means render con rend data at a time or revelve a data.

full-duplexion ust not

Advantage: Sender con rend and recive the data at the same time. disadvantage: No propert bandwidth atilization on the name time line is ared for sending and receiving data at the same time.

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(a) [JD: 1210102110000 omit and i

1 x= 0/7/2 2 mon mon mahman

J= 271=3 - Woen no

SNR for this chanelis (10x3)

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we have as chance! with 2.

MHZ bondwidth and SNR malis

30 m.

Bit reate = 300 2×30 = 60

(b) to Throughput is an actual measure of now much data is nuccernfully transferred from nource to source distination, and dandwidth in a theoritical measure of now much data could be HA transferred from now ce to dertination. Throughput measures speed while dandwith is only

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So that why throughput can be greater than bandwith.

later no or trug deport of (a) non but barrafactorit ellaterasia how see to source dustinotion, on dandwidth. in or - the origin cont may income of how movels doctor could be of her run, & month bounds contight column our topique out! . , citaritade The destroy distributed