Name: Nuzhat Tabassum Progga.

ID: 18101005. Roll: 05.

ised: A. Market Market Market

SUB Code: CSE 308.

Semeratore: 3red years 1st semestor Cowese Title: Data communication.

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is it as 4 as 4 12/16 is introduced by the solution of

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THE TAXABLE PROPERTY.

wide to ship with the ball

Am to the ques no: 1(a).

of trade Late thought and broken

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Y = 0+1 = 4. Plant of All

fore mesh topology we need.

X (X-1) /2 links

=> 6 (6-5)/2

> 15 links.

Fore state topology we have I computered so mo of links = 1.

If I have to choose between them two topologies for a more secure metwork I will prefer mesh topologic

P.T.O

because mesh topology has dedi.

dedicated point to point network.

There is no third link connected
with it . so there will be no

seautify issue and data corouption
issue.

Though star topology also secure and point—to-point link: It has a central controllere. Firest datable pass to the controller destination through a It also can be said that both. topology is secure enough.

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P.T.O

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Ans to the ques no: 1(b)

Walf - duplence

1. Channel capacity should not devided into two direction:

dis Advantageli

1. Data treams mit and treceive not possible at same time. so it is

time consuming!

Advantage

1. Data transmit and recess possible at a same time.

Disadvantage:

2. Channel capacity divided 2 Al between two direction. So data jam can be happen.

Ans to the ques no 1/1(a).

bandwidth = 5+1 = 6 +1 Hz.

SNR = 0+1 = 1×10 = 10

bet reate = ?

足知更且 白星 德爾 聚基 是

T. W. Bunga

From the shannote foremula we get

Capacity c = bardwidth > log (+1+SMP)

= 6×106 × (0g2 (1+10)

= GX106 + 3.45

= 2070000 Jops.

= 20.7 Hbps

It gives us the appete limit we will use a lower value than it was a better percorrence.

20-7 +2 Mbps = 2 x 6 MHZ x log2.

p. Tilor with

. n =441 1 . 50 mil

12 Hbps = 24 GMH2 + Cog2L:

granton - want printers =) 1 = log2 L;

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Ans to the ques no: 4(b).

Bardwidth: A bardwidth of a composit signal is the difference between the heighest and the lowest frequencies contained in that signa that & means band width is the difference bequeen two signals.

throughput & the Measurement of how fast we can actually send data through a network. p. To

	lage of
greater than	band width. cause
value	ready holds the max
Bonn A Standard	to the ques no: 2(a)
X = 5 mad G	to the ques no: 2(a)
Y = 2 mod 6	= 1 = 2 A . 3 MI-1 in bols in = 1 2 A . 3 MI-1 in bols in a series in a seri
Sender Pecèirer	Packet borne
PCI PCO	PCI PROPEI PCO 600 700 Data T2
oco PC5	PCO PC5 PC1 PC2 GOTO 7000 Data (
PC5 PC4	PCS PC9 PC1 PC2 6000 7000 Data
C4 PCB.	PCY PCS PC) PC2 GOOD 7000 Date I-

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	Xr21	r. 20	Y 21 MAC	- Kiac	Pel PCZ		
	Jr 20	PC 2	1920 MACI	PG/PC/ MAC/FP	IP 6		Data To
	0						

Am to the ques no: 2(b)

Data link layer. control Erocon and flow on single link means.

If control them end so sender to receiver side. But transport

layer control tuem porct in

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That means dota link do the control them hop to hop and them transported layer control them point to point

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ale 34 | cent | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/

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