NAME : RUNAL RANK CLASS: B TECH COMPUTER ENGINEERING

	01800081		6/11/20 Date		
		CN Tutorial 9			An
Ans	No. of packets = 1 Window size = 3				
	Error control strade	cket that A transm from B gets last.	ik gek last 1	butno	
	Then, Sender	from B gets last. Receiver	Sender 9-	Receiver	
15	3	2	9- 11:00	9	
20	5	3 4 5	Total 17	packets	A
	8	7 8	are sent.	land all	
25	Jane 6 and minimum.	[Timeat for 6]	tava pana		
	8	7	at how of a		
30	10	10	and the second		
	Abstract Jack	Jimeout for 9]	Final mile	- ii 1	
		16 3043			-

1. 2. to Solichie Report Protocol.	
And 20 to Solective Repeat Protocol, only those frames which time out a	u pesent again.
hibially brings through 1 to 5 are	transmitted,
hibially, frames through 1 to 5 are 5 4 3 2 1	
Than, I himes out, it is resent.	
15432	
Then, a new frame 6 is transmitted	-
615432	
Then, 2 himes out and 3 times out,	which are resent,
326154	
Then, 7, a new frame is inserted.	Hence, the outstanding packets
are:-	
7326157	
This is because the bender window	Dequerce number is 2.
This is because the bender window	size is 1.
in Go back N ARD, minimum sigue	nce rember is N+1
because N frames are sent.	
In Selective Repeat ARQ, minimum	begience number is 2N-
he	
	1925
25	
Ans 4: It Go Back N Protocol has a very a lot of bandwidth. This is because	high error bate it ublies
a lot of bandwidth. This is because	for ever enon a condite
Lindow is retransmitted.	error, a campare
Ex Selective Repeat Palacol the boo	distille and
Conscribigly late due to the Pat	H + 1 H A
For Selective Repeat Protocol, the ban comparitively low, due to the fact - which are lost or whose acknowled.	mai only mose warner
Which we lost by whose acknowled.	ements one lost are
retransmitted.	
	and the same of th
(4),这个公共的主义是这种自己的一种主义的一种通过对于自己的文学	ASSOCIATION OF THE PROPERTY OF

Ans S. Given, France Size = 1 KB Bondwidth = 1 S Mbps One-way latency = 50 ms Transmission delay = France Size Bondwidth = 1 K X 10 ³ 1.5 X 10 ⁶ = 5.33 ms Propagation delay = 50 ms Chiciency = Window size = 60% 1+2a a = Propagation delay Transmission delay Window Size = 11. XI Minimum Sequence Number = 2+ Window size = 23.712 No. of bits required = log (23.712) = 5 bits Ans 6. Window Size = Bandwidth x RTT Packet Size = 155x 10 ⁶ x 60 x 10 ⁻³
France Size = 1 KB Bandwidth = 15 Mbps One-sizey latency = 95 ms Transmission delay = France Size Bandwidth 2 1x8 x 10 ³ 1.5 x 10 ⁶ = 5.33 ms Propagation delay = 50 ms Chiciency = Lindou size = 60% 1+2a az Propagation delay Transmission delay Window Size = 11.853 Minimum Sequence Number = 2+ Lindow size = 23.712 No. of bits required = logy (23.712) = 25 bits Ans L. Window Size = Bandwidth x RTT Packet Size = 155x 10 ⁶ x 60 x 10 ⁻³
Bandwidh = 15 Mbps One-every latency = 80 ms Transmission delay = France Size Bandwidth 2 1x8 x 10 ³ 1.5 x 10 ⁶ = 5.33 ms Propagation delay = 50 ms Chiciency = Window 82 = 60% 1+2a az Propagation delay Transmission delay Window Size = 11.852 Minimum Sequence Number = 2+ Window 512e = 23.712 No. of bits required = log2 (23 712) = 25 bits Ans 6. Window Size = Bandwidth x RTT Pecket Size = 155x 10 ⁶ x 60 x 10 ⁻³
Transmission delay = Frank Size Bandwidth 2 1xx x 10 ³ 1.5 x 10 ⁶ = 5.33 ms Propagation delay = 50 ms Chiciency = Window size = 60% 1+2a a = Propagation delay Transmission delay Window Size = 11.xx1 Minimum Sequence Number = 2+ Window size = 23.742 No. of bits required = log2 (13.742) = 25 bits Ans 6. Window Size = Bandwidth x RTT Packet Size = 155x10 ⁶ x 60x10 ⁻³
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1.5 x 106 = 5.33 ms Propagation delay = 50 ms Chiciency = Window size = 60% 1+2a az Propagation delay Transmission delay Window Size = 11.85] Minimum Sequence Number = 27 Window size = 23.712 No. of bits required = log2 (23.712) = 25 bits Window Size = Bandwidth x RTT Packet Size = 155x106 x 60x10-3
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Minimum Sequence Number = 24 Windowsize = 23.712 No. of bits required= log_2 (23.712) = 25 bits Ans 6: Windowsize = Bandwidth x RTT Packet Size = 155×106 x 60×10-3
Minimum Sequence Number = 24 Window size = 23.712 No. of bits required = log2 (23 712) = 25 bits Ans 6. Window Size = Bandwidth x RTT Packet Size = 155×106 × 60×10-3
Ans 6: Windows Size = Bandwidth x RTT Packet Size 2 155×106 x 60×10-3
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2 155×106 × 60×10-3
25 2 155×106 × 60×10-3
25 2 155×106 × 60×10-3
53× 🔊 8
2 21.93
- All Allers and Market
Hence, Windows Size - 21 11
Hence, Window Size = 21 packets.