ITASOO3 - Data Communication and Networking

Class Number -VL 2022230105122

-18,12 Moder (8,2,3)-E2+7E2

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DIGITAL ASSIMMENT

Q> Station A needs to rend a menage countrying of 10 packets to Mation B vring a Miding mindow (window rize 3) and go back in enter control strategy. All parkets one ready and immediately waitable for teams minion. Af energy 6th packet that A transmits gets with (but no Acko from B gets lost), then what in number of packets that A will bonumist for sending the manage po B3

1114 two stelling local AW -

Crimen, elen relative many wars Total number of parkets = 9 to be next

Coo Back N with window rize 3 Every 6th packet gets lost

Step 1

Since sender vindow rize is 3, no sender rends 3 packets (1,2,3)-

[3 2 1]

Total packets sent till now = 3 from sender side

Step 2
After revening the acknowledgement for parket 1, sender sends & and slider the window.

(som wabish / 4 / 3 / 2) / 1 5 gring 8

Total parkets next HII now = 4 from sender stole

overlable for thems winning. It ever the probet flood to tribing with get After reviewing acknowledgement for parket-2, sender slides its window and sends parket-s

5 5 4 3

Total parkets sent till = 5 non from sender side

an also [7] 6 5 som richer in tour

Total parket sent till = 7

Step 6

Step 4

After revening acknowledgement for parket - 5, render Mides its window and rends parket-8

[8/7/6]

Total parket sent HIII = 8

11/2/01

si - 11it had destroy lotar

Step 7

According to question, bon packet every gets lost.

So packet-6 gets last and when Home out occurs, sender setroms mits packet - 6

An ho back N, all the following packets one also disconded by reviewer

So, padet-7 and 8 are also discanded and retransmitted from render vide.

That is entire window (8,7,6) gets retrement. Hed.

Total parkets rent fill = 11
Now from render ride

Step 8

After reducing adenountedgement for parket-5, sender Mides its window and sends parket-9

[9 | 8 | 7]

Total partets sent 4:11 = 12 non from sender side

Step 9
After revening acknowledgement for packet - 7.
After revening acknowledgement for packet-7. sender Mides the window and sends packet
-(0.
[10]09[8]
Step 10 till non man
After redering a demonded gement for partet = ?
render Mides its vindow
(10 /wgs me ent replie represent
Total packets sent till = 13
Now from sender vide
Step 11 LOKA rebron mont your
Since packet - 9 in the much packet transmittee it gets lost.
After Almeon render retormsmits the entire
mindow (10,9) again.
elin number to belonged in 01-tested
[[0]9]
Total parlets new HIM = 15
now from sender vide

Step 12
After reviewing admontedgement for parlet-g nender slides the vindow.
Total parkets sent fill = 15 now from sender side
Step 13 rot transglutianelis grimber 1019A
After revening acknowledgement for parket-10, render slides the rindow
Total parleits sent till = 15 now from sender side
There have, all 10 parkets got transmitted which took total 15 number 5/6 transmissions.
niogo (F,01) wabring about to helpon of our testing

21 = 1114 times introlling local.

