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Section: 50

as The family member is required to provide the letter to delegate itself, the address of the destination house and the name of the recipient. The delegate notes clown the recipient's name on the letter. The detler is then placed in an envelope and the address of the destination house is unitten on top of the envelope by the delegate. The letter is handled to the planet's mail service by delegate. On the receiving enel, the delegate receives the letter from the mail service, takes the detter out of the envelope and takes note of the recipient name unitten at the top of the letter. The delegate then gives the letter to the family member with this name.

b, No, the mail service only examines the letter envelope without opening and checking the letter.

(Pa:- Source Port number is 4 and destination part is x for the Segments travelling from host B to host A.

Q3:- For each connection, a separate "connection socket" is clerkified by the web server. Each connection socket is identified by (source IP eachbess, source port number, destrination IP eachbess, clestrination post number.) when host C receives an IP clategram, it enemines these four fields in clategram to cletermine which socket it should pass the payload of the TCP segment. Heme the requests from A and B pass through different solvets. The identifier for both of these sockets has 80 for the clestination port

however the identifiers for these sockets has the transfer children children children children children children children children children for source IP adoress. Unlike UDP, when the transport layer passes a TCP segment's paylocal to the application process, it closes not specify the Source IP adoress, as this is implicitly specified by the socket identifier.

Q4:-

- a) 20 bytes. Bytes 90-109 are in the first segment.
- b) Go. TCP uses cummulative culumondeelgements, so even if it buffers the second segment, the ack is still for the first segment.

Q5:-

R/2 Transmission rate.

The bottleneck banelwidth R is clinicled between two as both one starting at the same time so R/2.

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