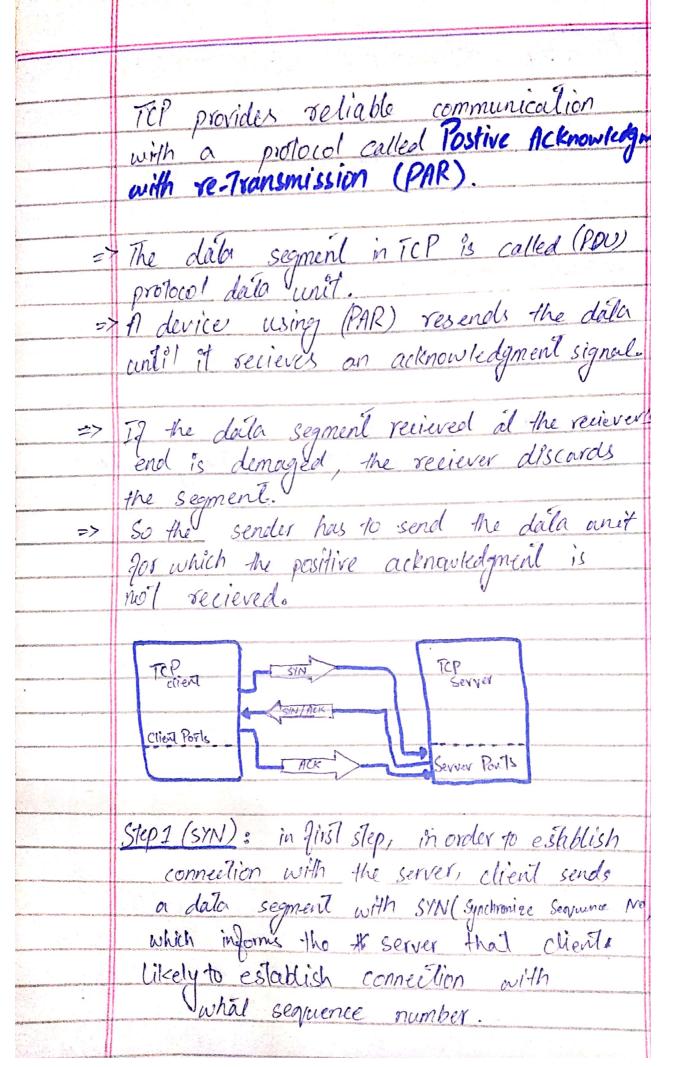
Q What is Transmission Control Prolocol? TCP TCP stands for transmission control
protocol. It is a transport layer protocol
that is used to send data over a nélwork. TCP is slower than UDP because it sends acknowledgment signal on recieving data parkels. Connection Establishment & Connection Termination using 3-way handhake The process of communication between devices aver internet hoppens using TCP/IP prolocol. In TCP/IP prolocal model, the application layer is the top layer in which application that uses internels like webstrouser, from the client-side, establishes a connection between client and Server From application layer, the dailar Transport layer uses two protocols TCP or UDP. Mostly TCP is used as it is more retrable for connection éstablishment and error correction.



Step 2 (SYN + ACK): Server responds: the client request with SYN+ ACK signal bit sels => Acknowledgment (ACIO) shows the response of the segment of recieved and => Synchronize sequence Number (SYN) shows that with what sequence number, the Server is likely to start segment with. Step 3 (ACK); In final step, client acknowledges the response of the Server and they both establishes a reliable connection with which they will start the actual data transfa.