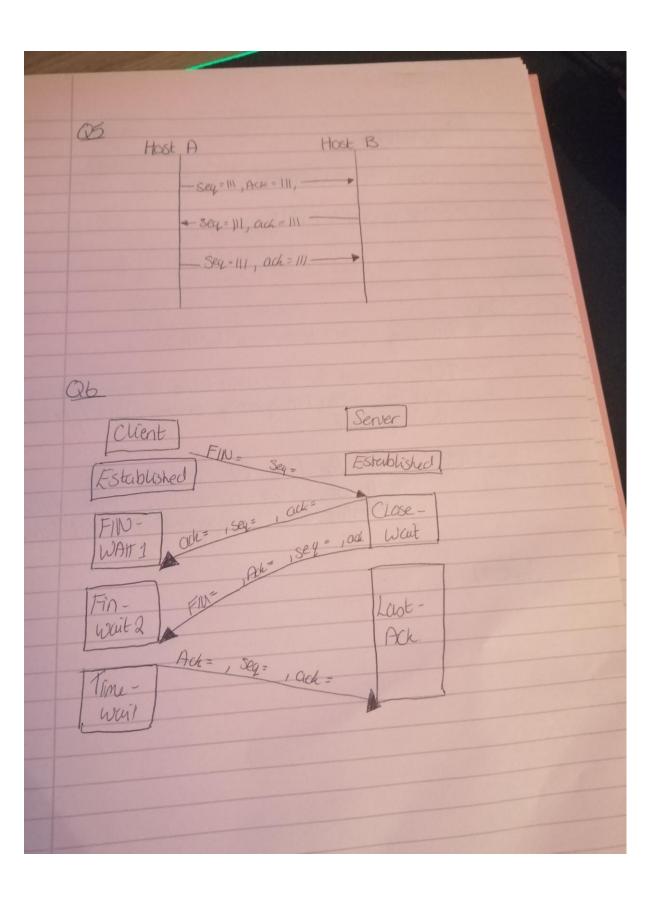


Windows 16 bits, indicates how many bytes the reciever is willing to recieve Checksum: 16 bits used to checksum to check if TCP header is ok or not. Orgent Pointer: 16 bits used when the URG bit has been Sent. This is used to indicate where the virgent data ends. Options: Optional held, can be 0-320 bits long Q2 UDP Header UDP Header Dest Port Source Port Checksum Leigth Data Same Port - The port of the device sending the data Destination Port - The port of the device reviewing the Length - Specifies the number of bytes comprising the UDP header and UDP payload data Checksom - allows the recieving data to check the integrity.
of the packet header and payload.

Q3 Ox bold 4 1011110111010100 11010101000101010 A Streaming applications use both: -TCP is used for non-real time communication and for when transporting every frame/packet is important - UDP - used for live TV streams and multicast video Conferencing, where data is created and transported in real time But the



Bonusa Question 1 How does TCP work? TCP uses a three-way hundstrake to establish a connection between client and sener. It uses SYN, Ack and FIN (1 bit) for connecting two endpoints. After the establishment of the connection, data is transferred sequentially. If there is any loss of packet, it retransmits data. abedion 2 Explain User Datagram Protocol (UDP). Ans - UPP is a correction-less protocol. If one data packet is lost cluring transmission, it will not send that packet again - This protocol is suitable where minor data loss is not a major issue.