Tyler Burleson

CSCI 3400

Lab03

**TCP**

1.   
   
2.   
   
3.   
   
4. 
5. 
6. 
7. **(123208)**  
   -**TCP**-**ACK**
8. Table

   Description automatically generated with low confidence
9.   
   **No, the lack of receiver buffer space does not throttle the sender.**
10. **No, there are no repeating segments.**
11. **If there is an acknowledgement every segment, then the bytes will be double for each (1250 bytes \* 2).**
12. **The file size was 149,000 bytes and the total time was 8.12. (149000/8.12 = 18349.75 is the throughput)**
13. A picture containing chart

    Description automatically generated**-Start**Chart

    Description automatically generated with medium confidence**-Congestion Avoidance**

**UDP**

1. **The four fields** A screenshot of a computer

   Description automatically generated with low confidence
2. 
3. **  
   Payload(51) + Header(2) = 53 bytes**
4. **The max number in a UDP payload is 65535 bytes -1**
5. **2^16 -1 = 65535**
6. **-> 17 (base 10), 0x11 (base 16)**
7. A picture containing graphical user interface

   Description automatically generated**Request**A picture containing graphical user interface

   Description automatically generated**Response  
   In each packet the source and destination swap places. This implies that 4343 is sending the initial request to 161, then 161 sends a response back to 4343.**