

CISC:856 TCP/IP and Upper Layer Protocols – VOIP Homework (Due Date: Dec 6th 2012)

1. Do question 1-a,b,c,d in Chapter 25 from the text book.
2. Do Problems in Chapter 7, from the book **Computer Networking –A Top Down Approach 5th Edition by James F. Kurose / Keith W. Ross**
 - 4-a, b
 - 5-a, b
 - 7-a
 - 9-a, b
 - 10-a, b,c,d
 - 16-a
 - 17-a
 - 18-a
 - 19-b, c,d
3. Is HTTP in band or out of band? Explain
4. Is RTSP in band or out of band? Explain
5. State the effect of
 - a) Large “q”
 - b) Small “q” For VOIP fixed play out delay
6. Wire shark
 - a. Download and install latest version of Skype
 - b. After registering, start wire shark.
 - c. Login using your Skype id and password
 - d. Sign out from Skype
 - e. Stop wire shark monitoring.

Questions:

Highlight the information observed in following questions

- a. Submit any one PDU which shows the name of your online friend.
Also explain how you could you see the profile picture of your friend displayed by Skype.
- b. Can you find connection for Facebook chat? Submit the printout
- c. Submit PDU that checks for Latest version of Skype
- d. Submit request PDU's and response PDU's that obtain the IP address for connecting to
 - Facebook
 - Live.com
 - Skype.com

Find the Hostname from the IP address obtained.