

COMPUTER NETWORKS

Assignment I

- 1) With a neat diagram, explain the comparison between OSI model and TCP/IP protocol suite.
- 2) Differentiate between Non-persistent and Persistent connections of HTTP with neat diagrams.
- 3) With a diagram explain the concept for securing TELNET application using SSH. Give the SSH packet format indicating position of the TELNET packet.
- 4) With diagrams explain Connectionless and Connection-Oriented services in the Transport layer.
- 5) Compare Go-Back-N and Selective Repeat protocols w.r.t. send window size, receive window size, acknowledgement scheme, and packets arriving out of order. Assume the size of the sequence number field is m bits. Which protocol is more efficient? Why?