ITS323 – Quiz 6

Name: _____

ID: _____   Mark: _____ (out of 5)

Question 1 [1 mark]

Which of the following services/features are part of IP (circle one answer):

Quality of service   Error control   Datagram packet switching   Connection setup

Question 2 [2 marks]

Assume IP Fragmentation and Re-assembly is used for sending 4000 Bytes of data from A to D. The diagram below shows the maximum datagram size for each link in bytes.

A ---- 3000 ---- B ---- 2000 ---- C ----1500 ---- D

For the link from B to C, list the fragments sent over the link, including the size of each fragment.

Question 3 [2 marks]

Assume classful addressing is used.

   a)   Host 209.108.113.54 is on a LAN. What is the network address for the LAN?

   b)   What class of IP address what be ideal for a network with 10000 hosts?