

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):

Connection-oriented Addressing Flow control Circuit switching

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 ---- 1000 ---- 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 97.161.222.74 is on a LAN. What is the network address for the LAN?

b) What class of IP address would be ideal for a network with 1000 hosts?