

## 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):

Error control      Ordered Delivery      Connection-less      Security

### Question 2 [2 marks]

Assume IP Fragmentation and Re-assembly is used for sending 3000 Bytes of data from A to D. The diagram below shows the maximum datagram size for each link in bytes.

A ---- 1000 ---- B ---- 500 ---- C ---- 2000 ---- D

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

### Question 3 [2 marks]

Assume classful addressing is used.

a) Host 161.205.111.38 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 100 hosts?