

## ITS332 – Quiz 1

Name: \_\_\_\_\_

ID: \_\_\_\_\_ Mark: \_\_\_\_\_ (out of 6)

When explaining your answer you should refer to the commands (and options) used.

### Question 1 [2 marks]

Use ping to send 5 ICMP request packets to 10.10.6.110 and so that every reply packet is 250 bytes (excluding IP header).

- a) Record the command used. [1.5 marks]
  
  
  
  
  
  
  
- b) What is the total time that ping runs? [0.5 mark]

### Question 2 [1 mark]

A DHCP server may return information other than an IP address to a client. For example, it may send the address of different servers. What is the address of your NETBIOS server? Explain how you found the answer.

### Question 3 [2 marks]

You have your own network of 2 Linux computers with IP addresses 10.10.1.1 and 10.10.1.2. Assuming you cannot obtain a domain or access/modify DNS servers, what would you do on each computer so that you can refer to them by names. E.g. so that “ping computer1” would send a ping from computer2 (10.10.1.2) to 10.10.1.1. (Give specific instructions, such as the text to add, files to edit, commands to run)

### Question 4 [1 mark]

What command(s) would you use to find the total number of bytes transmitted by your Ethernet LAN card?