

ITS332 – Quiz 1

Name: _____

ID: _____ Mark: _____ (out of 6)

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

Question 1 [1 mark]

What is the IP address associated with one LAN card in your computer? Explain how you found the answer.

Question 2 [2 marks]

Use ping to send 10 ICMP request packets, each containing 1000 bytes of data, at a speed of 2 packets per second, to the destination 10.10.6.167.

- a) Record the command used. [1.5 marks]

- b) What is the average round trip time? [0.5 mark]

Question 3 [1 mark]

A DHCP server may return information about an IP address (and associated lease time) for a client. What other information may be included about *other* services/servers in the DHCP response?

Question 4 [2 marks]

- a) How many routers are *between* your computer and the device `bridge.siit.tu.ac.th`? Explain how you found the answer. [1.5 marks]
- b) Using the networking tools you have learnt, can you determine the Ethernet address of `bridge.siit.tu.ac.th`? Explain why or why not. [0.5 mark]