

ITS332 – Quiz 1

Name: _____ ID: _____ Marks: _____ (6)

Question 1 [0 marks]

What is the number of your computer (it is on the monitor)?

Question 2 [1 marks]

Consider your Ethernet interface that has Internet connectivity. What is the hardware address of the interface? Give both the address and the command you used to find the address.

Question 3 [3 marks]

Use `tcpdump` and Wireshark to capture an ICMP (ping) protocol exchange. Then answer the following questions:

- (a) Draw a captured ping request packet, labelling the headers with the appropriate protocol, and indicating the size of each header in Bytes.

- (b) What is the maximum value, in decimal, of the sequence number field an a ICMP packet?

Question 4 [2 marks]

- (a) What is an IP address of the DynDNS (www.dyndns.org) web server?

- (b) What is the port number of the server that your computer obtained the above answer from?