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 IPv6 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 IBM (`www.ibm.com`) web server?

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