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   [3 marks]

Use `tcpdump` and Wireshark to capture a DNS protocol exchange. Then answer the following questions:

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

(b) What is the value, in binary, of the reply code flag in the DNS query response packet?

Question 3   [3 marks]

(a) Write a command that will send exactly 3 ICMP echo request messages to the computer `192.168.10.1`.

(b) How many routers between your computer and 192.168.10.1? Explain how you obtained your answer.