

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 [2 marks]

- (a) How many interfaces does your computer have? Describe each of them (e.g. what are the devices that each interface corresponds to, what are they used for).

- (b) What is the IPv6 address of the interface that has Internet connectivity? What command did you use to find it?

Question 3 [3 marks]

While using `tcpdump` and Wireshark to capture a DNS protocol exchange, find the IP address for `www.yahoo.com`. Then answer the following questions:

- (a) What is an IP address of the `www.yahoo.com` server?

- (b) What is the port number used by the DNS server?

- (c) The output of `nslookup` tells you that the answer is non-authoritative. How does you DNS client software know the answer is non-authoritative?

Question 4 [1 marks]

What is the exact command you would use to send exactly 5 ICMP packets to computer 10.10.6.11 over a total period of 16 seconds?