

ITS 413 – QUIZ 2

First name: _____ Last name: _____

ID: _____

Total Marks: _____

out of 10

Question 1 [2 marks]

Explain two reasons why the frequency of a wireless network is an important design consideration.

Question 2 [4 marks]

What are the two methods that a wireless LAN client can use to discover an Access Point? Use a diagram to illustrate the two methods.

Question 3 [2 marks]

Draw a diagram illustrating the IEEE 802.11 DCF basic access transfer method from one station to another. You may ignore any deference, collisions and retransmissions. Make sure you label the steps/frames.

Question 4 [1 mark]

If a router on a switched Ethernet LAN has a packet to forward to a wireless LAN client, and the Ethernet LAN and wireless LAN are attached by an AP, the MAC addresses of which devices will be included in the IEEE 802.11 frame received by the client?

Question 5 [1 mark]

Explain a *collision* in a wireless network.