

ITS413 – Quiz 3X

Name: _____

ID: _____ Mark: _____ (out of 5)

Question 1 [1 mark]

- a) The initial size of the contention window from which backoff slots are chosen in 802.11b DCF is $CW_{min} = 31$. If CW_{min} was set to 63, the number of collisions in a WLAN would:
- Decrease Stay the same Increase

Question 2 [1 mark]

Consider a WLAN BSS connected to an Ethernet network. If a PC on the Ethernet network sends data to a WLAN client, then the frame sent via the AP containing that data will contain the addresses of which devices?

Question 3 [1 mark]

Describe the passive approach for a client to discover an AP in a WLAN. Your description should refer to the frame types used, who sends them and who they are sent to.

Question 4 [2 marks]

Fill in the blank spaces:

- a) In the Internet (before Mobile IP was developed), the problem with mobility is if a host changes subnets without changing IP addresses then _____ will not work.
- b) When a Mobile IP host enters a foreign network, the host must _____ the Foreign Agent and then _____ with its Home Agent.