Quiz Number 5

Close Book; Close Notes (You can look at the reading summary)
Time Given=10 minutes (22/04/2003)

“I certify that I have neither received nor given unpermitted aid on this examination and that I have reported all such incidents observed by me in which unpermitted aid is given.”

Signature __________________________

Name ________________________________  Student ID ______________________________

Question 1: [4pts] Unlike 802.3 MAC mechanism, the source in 802.11 schedules a re-transmission if an explicit ACK (acknowledgement) is not received. Why? Explain.

Question 2: [3pts] In 802.11 MAC basic access mechanism, a station which wants to send a frame must wait a random amount of time while the medium is idle; recall that this time is a uniformly distributed variable selected from a range called contention window. Why waste this time?

Question 3: [3pts] All of the following is relevant to IEEE 802.11. Indicate true (T) or false (F) by circling the correct letter:

- In data frames, header and body both are encrypted when WEP is activated. [T / F]
- In control and management frames, only a portion of the frame is encrypted when WEP is activated. [T / F]
- It is better to use DCF than to use PCF for providing telephony services. [T / F]
- A wireless NIC can be authenticated to many access points. [T / F]
- A wireless NIC can be associated with many access points. [T / F]
- In scanning as defined for 802.11 MAC, an AP searches for wireless NICs. [T / F]