HW11 <Chapter 6>

R4.  As a mobile node gets farther and farther away from a base station, what are two actions that a base station could take to ensure that the loss probability of a transmitted frame does not increase?

two actions that a base station could take to ensure that the loss probability of a transmitted frame does not increase are increasing the transmission power, and decreasing the transmission rate.

R6.  True or false: Before an 802.11 station transmits a data frame, it must first send an RTS frame and receive a corresponding CTS frame.

False

R8.  True or false: Ethernet and 802.11 use the same frame structure.

False

R21. What are three approaches that can be taken to avoid having a single wireless link degrade the performance of an end-to-end transport-layer TCP connection?

1>Local recovery

2>TCP Sender awareness of wireless links

3>Split connection approaches

P13.  In mobile IP, what effect will mobility have on end-to-end delays of data- grams between the source and destination?

It creates delays when datagrams are passed to home agent and then passed to mobile. Delay in indirect routing which includes encapsulation is longer than delay in direct routing. Depending on how many various path segments, delay varies.