Q. 1. What do you mean by small-scale propagation? Discuss the types of small-scale fading. [5]
Q. 2. Give the classification of multiple access techniques used in different wireless communication systems. Explain the TDMA scheme, its salient features, frame structures and frame efficiency. [5]
Q. 3. Assuming the speed of a vehicle is equal to 60 mph (88 ft/sec), carrier frequency, $f_c = 860$ MHz, and rms delay spread $\tau_d = 2 \mu$sec, calculate coherence time and coherence bandwidth. At a coded symbol rate of 19.2 kbps (IS-95), what kind of symbol distortion will be experienced? What type of fading will be experienced? [5]
Q. 4. Explain the concept of rake receiver. Derive an expression for computing the performance and number of users in CDMA cellular system. [5]

OR

Discuss and explain the call processing and power control mechanism in CDMA systems. [5]

--- ALL THE BEST ---

--- ALL THE BEST ---

--- ALL THE BEST ---