Id# Name:

COE 342, Term 003 Data & Computer Communications									
Quiz# 2									
Date: Monday, July 23, 2001									
Q1. List five advantages of optical fiber over coaxial cable and twisted pair.									
Q2. List three advantages of coaxial cable over twisted pair.									
Q3. List two advantages of twisted pair over coaxial cable.									
Q4. Determine the maximum distance between two microwave antennas at a height of 400m									

Q5. Given the bit stream 1 1 0 0 0 0 1 0 1 1, sketch the waveforms for each of the codes given below. Assume that the signal level for the preceding bit for NRZI was high; the most recent preceding 1 bit (AMI) has a negative voltage; and the most recent preceding 0 bit (pseudoternary) has a negative voltage.

	1	1	0	0	0	0	1	0	1	1
NRZI										
Bipolar AMI										
Manchester										
Differential Manchester										
HDB3										