

Indian Institute of Technology Bombay
Department of Electrical Engineering

Handout 3
Quiz 3 : 10 points

EE 706 Communication Networks
January 21, 2010

1. Name any four issues which are handled at the physical layer. [2 points]

2. Match the issues on the left to the layers on the right. For example, write I1-L1 to connect first issue in the left list with first layer in the right list. [3 points]

Issues	Layers
1. Routing	1. Transport Layer
2. Error-free communication between adjacent nodes	2. Network Layer
3. Demultiplexing of packets at receiver	3. Data Link Layer
4. Medium Access Control on Multiple Access Channels	4. Physical Layer
5. Internetworking	
6. Modulation and Demodulation	

3. Draw the unipolar NRZ, polar NRZ and NRZI waveforms corresponding to the bit string 1001101. State any assumptions you made. [5 points]