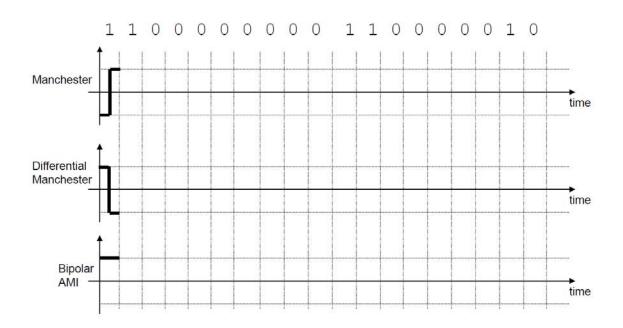
KFUPM - COMPUTER ENGINEERING DEPARTMENT COE-341 – Data and Computer Communication

Quiz 04 - April 6th, 2010 Take home quiz Due on Sat April 10th, 2010 (class time) – Solution key

Student Name: Student Number:

1) (10 points) List and briefly define the important factors that can be used in evaluating or comparing the various digital-to-digital encoding techniques.

<u>2) (10 points)</u> Complete the following encoding for the given sequence of data bits using the these designated encoding techniques. Use the provided figure.



<u>**3**</u>) (10 points) Answer the following questions:

a) What is differential encoding?

b) Explain the difference between NRZ-L and NRZI.