Instructions
Please read the following instructions carefully before solving & submitting assignment:

It should be clear that your assignment will not get any credit (zero marks) if:

- **The assignment is submitted after due date.**
- **The submitted assignment does not open or file corrupt.**
- **The assignment is copied (from other student or ditto copy from handouts or internet).**
- **Student ID is not mentioned in the assignment File or name of file is other than student ID.**

For any query about the assignment, contact at cs601@vu.edu.pk

Marks: 20

Question 1:   [5]
Match the following to one of the five layers.

   a. Route determination
   b. Flow control
   c. Interface to physical world
   d. Provide access to the network for the end users
   e. Packet switching

Question 2:   [5]
If the throughput at the connection between the device and transmission medium is 5 Kbps, how long does it take to send 400,000 bits out of this device?

Question 3:   [5]
Give the Signal level for each line encoding from following.

   a. Unipolar
   b. NRZ-L
   c. NRZ-I
   d. RZ
   e. AMI

Lectures Covered: This assignment covers Lecture # 08-17

Deadline
Your assignment must be uploaded/submitted till Tuesday 03 May, 2011.