

**Department of Electronics & Communication Engineering
Faculty of Engineering, Integral University, Lucknow**

Assignment Sheet 1

Data Communication Network (EC-701)

Due Date : 31-08-2014

Problems : 5

Q1. What are the different components of a Data Communication Network? Give block diagram and explain each component.

Q2. Explain the concept of Line Configuration and also classify the types of communication network.

Q3. What is the ISO-OSI model of Data Communication and explain the function of each layer of it.

Q4. What is the relation between bit and baud rate? Calculate the bit rate of a PCM system which has baud rate of 512 bauds.

Q5. What is TCP/IP reference model? How is it different from OSI Reference Model?

Instructions:

- ❖ Do the Assignment on A-4 sheet only. Use both side of the page
- ❖ After the last date of the submission, assignment will not be accepted and zero marks will be awarded to the student who fails to submit the assignment on due date.
- ❖ For help student can take reference reading of the book Data Communications and Networking by Behrouz A.Forouzan of McGraw Hill Publication House.