

### ASSIGNMENT 3

1. Describe the working principle of thermocouple. Explain the laws governing the thermocouple.
2. How we can measure temperature above 1400 0 C. Explain any one method of measurement.
3. Explain giving neat sketch , how LVDT can be used to measure pressure
4. Describe the construction, working, advantages and limitation of any method for flow measurement.
5. Explain the various elements of analog data acquisition system.
6. What is sample and hold circuit? why it is needed? Explain with circuit diagram.
7. Explain strip chart recorder.