

ASSIGNMENT - 5

Chapter 5: Force, Torque, Pressure, Strain and temperature Measurement:

- 1) Classify torque and power measurement techniques. Explain torsion bar dynamometer.
- 2) Explain the followings: i) Optical strain gauges ii) Gauge factor
- 3) Explain prony brake dynamometer with neat sketch.
- 4) Explain working of rope brake dynamometer also state advantages and limitation.
- 5) What is the use of load cell? List types of load cell and explain any one of them in detail.
- 6) Describe with sketch the construction and working of a RTD. Give advantage and disadvantage of RTD.
- 7) Explain the principles and types of thermocouples.

