**ASSIGNMENT QUESTIONS**

**Unit -1  
(Assignment – 1)**

1. Explain the working of an LVDT and also state the advantages and disadvantages of LVDT.
2. What is a transducer. Explain the working of photo electric transducer and Piezoelectric transducer.
3. Explain with neat sketches the working of the mechanical tachometers.

**Unit -2  
(Assignment – 2)**

1. Define strain? Derive an expression for gauge factor of a resistance strain gauge.
2. Explain the working of hydraulic and pneumatic load cell for the measurement of force. Derive the relation for change in output voltage due to applied load in strain gauge load cell.
3. Discuss the piezoelectric and seismic type accelerometer.

**Note- Last date to submit 09/11/2021**