



### SECTION-B

2. With the help of examples explain primary, secondary and tertiary measurements.
3. What is calibration? What is the purpose of calibration? Discuss.
4. What are the various sources of error in a measurement system?
5. State the objectives of flow visualization. Explain some of the methods commonly adopted for flow visualization.
6. What is a dynamometer? Explain the working of a transmission dynamometer.

### SECTION-C

7. Explain along with constructional details about the measurement of temperature with resistance thermometer.
8. What is temperature compensation in strain gauges? Why is it needed? Explain.
9. Write short notes on the following :
  - i) Use of sine bar for angular measurement.
  - ii) Dead weight gauge tester.