

- 2** Attempt any three short notes : **18**
- (a) Photo-conductive transducer
 - (b) Digital displacement transducer
 - (c) Ionization transducer
 - (d) Hall-effect transducer.
- 3** (a) Write various transducers used for temperature measurement. Explain any one. **6**
- (b) Explain variable resistance transducer. **6**
- OR**
- (b) Explain variable capacitive transducer. **6**
- (c) Explain gaussian curve for error distribution. **6**
- 4** (a) What is Error ? Explain types of errors. **6**
- (b) Explain method of least squares used for error distribution analysis. **6**
- OR**
- (b) Explain dynamic response of first order system. **6**
- (c) Short note on L.V.D.T. **6**
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