

UNIT - II

rtuonline.com

- 2 Explain the following transducers with their applications, merits and demerits.
- (a) McLeod gauge 8
 - (b) LVDT 8

OR

- 2 (a) Explain the calibration techniques of pressure transducers with merits and demerits. 8
- (b) Explain the construction and working of differential pressure transmitters. 8

UNIT - III

rtuonline.com

- 3 Explain the following transducers with their applications, characteristics, merits and demerits.
- (a) Pitot tubes. 8
 - (b) Mass flow type meters. 8

OR

- 3 Explain the following transducers with their applications, characteristics, merits and demerits.
- (a) Vortex flow meters 8
 - (b) Rotameters 8
- rtuonline.com

UNIT - IV

rtuonline.com

- 4 (a) Explain the working of radioactive type transducers. Discuss its applications, merits and demerits. 8
- (b) Discuss about the bubbler (purge) system for level measurements with suitable diagram. 8

OR

- 4 Explain the following :
- (a) Radiation densitometer. 8
- (b) Electrical conductivity method for level measurements. 8

UNIT - V

- 5 (a) Explain the various configurations and applications, merits and demerits of Rosette Strain gauges. 8
- (b) Explain the importance of temperature compensation techniques used in strain gauges. 8

OR

- 5 (a) Differentiate the wire and foil type strain gauges. 8
- (b) Explain the various calibration techniques of strain gauges. 8

rtuonline.com