

Mechanical Measurements Quiz Questions and Answers Pdf

1. Which of the following flow measuring instrument is an area meter?

- a. Venturimeter
- b. Rotameter
- c. Pitot tube
- d. Hot wire anemometer

Ans: D

2. Which of the following device is primarily used to measure pressure?

- a. Bourdon tube
- b. Kundt's tube
- c. Hygrometer
- d. Rotameter

Ans; A

3. The joints of a phosphor-bronze Bourdon tubes are

- a. soldered
- b. brazed
- c. screwed
- d. welded

Ans: A

4. Which of the following is an indirect pressure measuring device?

- A, Bourdon tube
- b. Flat diaphragm
- c. Ionisation gauge
- d. Manometer

Ans: C

5. A transducer that converts the input physical phenomenon into an electrical output in the form of pulses is known as

- a. secondary transducer
- b. analogy transducer
- c. digital transducer
- d. tuned transistor

Ans: C

6. A rotameter can be used to measure

- a. rotation
- b. flow
- c. viscosity
- d. specific gravity

Ans: B

7. A load cell is essentially a

- a. thermocouple
- b. thermistor
- c. photoconductive device
- d. strain gauge

Ans: D

8. Which of the following material is used for photoconductive cells

- a. selenium
- b,. mica
- c. thorium
- d. tungsten

Ans: A

9. Which of the following is generally not used as a thermocouple material?

- a. Platinum- Rhodium
- b, chromel – Alumel
- c. gold – silver

d. chromel – copper

Ans; C

10. A strobotron is

a. a tachogenerator

b. a two winding DC generator

c. a hot cathode gaseous discharge tube

d. a device for temperature measurement

Ans: C

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