

## **Mechanical Measurements Objective Type Questions and Answers Pdf**

1. The fine wire of which material is most commonly used for resistance thermometer

- a. stainless steel
- b. aluminium
- c. nickel
- d. none of the above

Ans: C

2. Optical flats are used in conjunction with

- a. angular measurements
- b. surface flatness
- c. surface parallelism
- d. interferometric measurement

Ans: D

3. In a metal resistance thermometer, the sensing element is usually made of

- a. brass
- b. cast iron
- c. mild steel
- d. platinum

Ans D

4. Under force current analogy, displacement is considered as analogous to

- a. current
- b. voltage
- c. induced emf
- d. magnetic flux linkage

Ans; D

5. Which of the following strain gauge material has the highest value of gauge factor?

- a. manganin
- b. nichrome
- c. constantan
- d. soft iron

Ans: D

6. Cermets are

- a. Resistance elements
- b, variable capacitors
- c. ganged condensers
- d. defects in transducers

Ans: A

7. Contraction or expansion due to changes in temperature can be measured by

- A, dilatometer
- B,, fathometer
- c. tellurometer
- d. optical pyrometer

Ans: A

8. Pirani gauge works on the principle of change of

- a., thermal conductivity of medium
- b., electrical resistivity
- c. conductance
- d. capacitance

Ans: A

9. A polarograph is used for the analysis of

- a. solids
- b., liquids
- c. gases
- d,. all of the above

Ans: A

10. Which of the following Bourdon tube material can be used for very high pressures?

- a. Phosphor bronze
- b. stainless steel
- c. alloy steel
- d. beryllium copper

Ans: C

meritnotes.com