

Mechanical Measurements Interview Questions and Answers Pdf

1. Relative static error is the ratio of

- a. true value / absolute error
- b. absolute error/ True value
- c. true value x Absolute error
- d. none of the above

Ans: B

2. A fathometer works on the principle of

- a. reflection of sound waves
- b. reflection of magnetic waves
- c. reflection of radio waves
- d. reflection of ultrasonic waves

Ans: A

3. Geodimeter is used for the measurement of

- a. distance
- b. angle
- c. area
- d. volume

Ans: A

4. Tellurometer works on the principle of

- a. optics
- b. x-rays
- c. propagation of modulated waves
- d. high frequency radio waves

Ans: D

5. Bolometers are used for measurement of

- a. Thermal radiations

- b. Electromagnetic, radiations
- c. Magnetic hysteresis loop area
- d, intensity of light

Ans: A

6. The sensitivity accuracy of an instrument depends on

- a. frequency response
- b., amplitude distortion
- c. temperature variations
- d. hysteresis

Ans: C

7. Meter accuracy is determined by

- a. full scale deflection
- b. half scale deflection
- c. one fourth scale deflection
- d. least reading possible on the scale

Ans: A

8. Which of the following magnetic material has highest coercive force?

- a. carbon steel
- b. dead mild steel
- c. tungsten steel
- d. alcomax

Ans: A

9. Under force voltage analogy, spring constant is considered analogous to

- a. reciprocal of resistance
- b. reciprocal of inductance
- c. reciprocal of capacitance
- d. reciprocal of impedance

Ans: C

10. Under force current analogy, mass is considered analogous to

- a. current
- b. capacitance
- c. reciprocal of capacitance
- d. reciprocal of resistance

Ans: B

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