

Instruments and Measurement Multiple Choice Questions & Answers Pdf

1. Wattmeter cannot be designed on the principle of

- a. electrostatic instrument
- b. thermocouple instrument
- c. moving iron instrument
- d. electrodynamic instrument

Ans: C

2. To measure radio frequency, the suitable frequency meter is

- a. weston frequency meter
- b. reed vibrator frequency meter
- c. heterodyne frequency meter
- d. electrical resonance frequency meter

Ans: C

3. Potentiometer is a

- a. calibrating instrument
- b. comparison instrument
- c. indicating instrument
- d. integrating instrument

Ans: B

4. ____ instrument is free from hysteresis and eddy current errors.

- a. electrostatic
- b. moving iron
- c. moving coil permanent magnet type
- d. moving coil dynamometer type

Ans: A

5. ____ instrument will draw least current from the circuit in which it is incorporated.

- a. Hot wire
- b. rectifier
- c. electrostatic
- d. thermocouple

Ans: C

6. In hot wire instruments the sensing wire is made of

- a. copper nickel
- b. silver
- c. copper
- d. platinum iridium

Ans: D

7. ____ give the value of the quantity to be measured in terms of the constants of the instruments and their direction only.

- a. secondary instruments
- b. recording instruments
- c. absolute instruments
- d. integrating instruments

Ans: C

8. A moving iron type ammeter has few turns of thick wire so that

- a. sensitivity is high
- b. damping is effective
- c. scale is large
- d. resistance is less

Ans: D

9. In ____ instruments the deflecting torque depends on the frequency.

- a. induction type
- b. hot wire
- c. moving coil
- d. moving iron

Ans: A

10. Highest flux density exists inside which of the following instruments?

- a. moving coil instruments
- b. moving iron instruments
- c. hot wire instruments
- d. electrodynamic instrument

Ans: A