

**Electrical Instruments and Measurement MCQ Questions & Answers Pdf**

**1. A moving coil permanent magnet instrument can be used as flux meter**

- a. by using a low resistance shunt**
- b. by using a high series resistance**
- c. by eliminating the control springs**
- d. by making control springs of large moment of inertia**

**Ans: C**

**2. An ammeter is a**

- a. secondary instrument**
- b. absolute instrument**
- c. recording instrument**
- d. integrating instrument**

**Ans: A**

**3. The resistance in the circuit of the moving coil of a dynamometer watt meter should be**

- a. almost zero**
- b. low**
- c. high**
- d. none of the above**

**Ans: C**

**4. In a low power factor wattmeter the compensating coil is connected**

- a. in series with current coil**
- b. in parallel with current coil**
- c. in series with pressure coil**
- d. in parallel with pressure coil**

**Ans: C**

**5. In a meggar controlling torque is provided by**

- a. spring**
- b. gravity**
- c. coil**
- d. eddy current**

**Ans: C**

**6. In an Anderson bridge, the unknown inductance is measured in terms of**

- a. known inductance and resistance**
- b. known capacitance and resistance**
- c. known resistance**
- d. known inductance**

**Ans: B**

7. In a single phase factor meter the phase difference between the currents in the two pressure coils is

- a. exactly  $0^\circ$ ;
- b. approximately  $0^\circ$ ;
- c. exactly  $90^\circ$ ;
- d. approximately  $90^\circ$ ;

Ans: C

8. In a Weston frequency meter, the magnetic axes of the two fixed coils are

- a. parallel
- b. perpendicular
- c. inclined at  $60^\circ$ ;
- d. inclined at  $120^\circ$ ;

Ans: B

9. The desirable static characteristics of a measuring system are

- a. accuracy and reproducibility
- b, accuracy, sensitivity and reproducibility
- c. drift and dead zone
- d. static error

Ans: B

10. The ratio of maximum displacement deviation to full scale deviation of the instrument is called

- a. static sensitivity
- b, dynamic deviation
- c. linearity
- d. precision or accuracy

Ans: C