

## **Electrical and Electronic Measurements MCQ Questions and Answers Pdf**

1. Loading effect is primarily caused by instruments having
  - a. High resistance
  - b. High sensitivity
  - c. Low sensitivity
  - d. High rangeAns: C
2. The largest error between reference input and output during the transient period is called
  - a. peak error
  - b. transient overshoot
  - c. peak overshoot
  - d. transient deviationAns: C
3. The errors introduced by an instrument fall in which category?
  - a. Systematic errors
  - b. Random errors
  - c. Gross errors
  - d. Environmental errorsAns: A
4. Joule/coulomb is the unit of
  - a. Electric field potential
  - b. Potential
  - c. Charge
  - d. None of the aboveAns: B
5. Error cause by the act of measurement on the physical system being tested is
  - a. hysteresis error
  - b. random error
  - c. systematic error
  - d. loading errorAns: D
6. For defining the standard metre, wavelength of which material is considered?
  - a. Neon
  - b. Krypton
  - c. Helium
  - d. XenonAns: B
7. The \_\_\_\_ is an integrating type instrument.
  - a. moving iron ammeter

- b. Moving coil voltmeter
- c. Dynamometer wattmeter
- d. Induction type energy meter

Ans: D

8. Electrostatic voltmeters are particularly suitable for measuring high voltages because the construction is simplified due to
- a. large electrostatic forces
  - b. small electrostatic forces
  - c. large value of current
  - d. small value of current

Ans: D

9. Example of an active display and a passive display respectively are
- a. LCD and GAS discharge plasma
  - b. LED and LCD
  - c. Gas discharge plasma
  - d. Electrophoretic image display and LED

Ans: B

10. A dual trace CRO has
- a. One electron gun
  - b. Two electron guns
  - c. One electron gun and one two pole switch
  - d. Two electron guns and one two poles switch

Ans: C