

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

1. Spectrum analyzer is a combination of
  - a. Narrowband superheterodyne receiver and CRO
  - b. Signal generator and CRO
  - c. Oscillator and wave analyzer
  - d. VTVM and CROAns: A
2. A dual trace oscilloscope usually offers two modes, chop and alternate
  - a. any two waveforms
  - b. two waveforms of relatively high frequency
  - c. two waveforms of relatively low frequency
  - d. one low frequency and one high frequency waveformAns: B
3. Oscilloscope is basically a
  - a. Voltmeter
  - b. Ammeter
  - c. Wattmeter
  - d. Energy meterAns: A
4. Which of the following devices is used at the first stage of an electronic voltmeter?
  - a. BJT
  - b. SCR
  - c. MOSFET
  - d. UJTAns: C
5. Which one of the following is basically a current sensitive instrument?
  - a. PMMC instrument
  - b. CRO
  - c. Electrostatic instrument
  - d. FET input electronic voltmeterAs: A
6. Creep error is associated with which one of the following meters?
  - a. Moving iron meter
  - b. Energy meter
  - c. Electrodynamic meter
  - d. WattmeterAns: b
7. Resolution of an instrument is
  - a. The minimum quantity it can measure
  - b. The maximum quantity it can measure

- c. The maximum nonlinearity
- d. Ability to distinguish polarity

Ans: A

8. The units whose size cannot be chosen independently are called
- a. Absolute units
  - b. Fundamental units
  - c. Derived units
  - d. Auxiliary fundamental units

Ans: C

9. Preferred material for permanent magnet is
- a. stainless steel
  - b. alnico
  - c. tungsten steel
  - d. soft iron

Ans: B

10. To minimize voltmeter loading
- a. voltmeter operating current has to be very small
  - b. voltmeter operating current has to very high
  - c. resistance connected in series with the coil should be low
  - d. resistance connected in parallel with the coil should be high

Ans: A

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