

Electrical and Electronic Measurements Objective Questions & Answers Pdf

1. Moving coil permanent magnet instruments can be used for the measurement of
 - a. AC and DC
 - b. AC only
 - c. DC only
 - d. Half wave rectified DCAns: C
2. The deflection of a hot wire instrument depends on
 - a. Instantaneous value of alternating current
 - b. Average value of current
 - c. Rms value of alternating current
 - d. Voltage instead of currentAns: C
3. The phenomenon of creeping occurs in
 - a. Energy meter
 - b. Ammeters
 - c. Wattmeters
 - d. VoltmetersAns: A
4. A DVM measures
 - a. Peak value
 - b. Rms value
 - c. Peak-to-peak value
 - d. Average valueAns: D
5. Which one of the following is not associated with a logic analyzer?
 - a. delayed state
 - b. delayed sweeps
 - c. disassemble
 - d. pre-triggeringAns: B
6. For the recording of very fast random signals, the most suitable instrument would be
 - a. Dual trace
 - b. Sampling oscilloscope
 - c. Real time spectrum analyzer
 - d. Scanning type spectrum analyzerAns: C
7. AC voltmeters use diodes with

- a. high forward current and low reverse current ratings
- b. low forward current and low reverse current ratings
- c. low forward current and high reverse current ratings
- d. high forward current and high reverse current ratings

Ans: A

8. The use of thermocouple meters for ac measurement leads to a meter scale which is
- a. Linear
 - b. Square law
 - c. Logarithmic
 - d. Exponential

Ans: B

9. The most serious source of error in ac bridge measurement is
- a. eddy currents
 - b. leakage currents
 - c. residual imperfectness
 - d. stray fields

Ans: D

10. Which of the following bridges is also used in an oscillator?
- a. Maxwell
 - b. Schering
 - c. Hay
 - d. Wien

Ans: D

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