

Electrical and Electronic Measurements Questions & Answers Pdf

1. Wein's bridge is used for measurement of frequency in the applied voltage waveform is
 - a. Sinusoidal
 - b. Square
 - c. Rectangular
 - d. Triangular

Ans: A

2. A vector impedance meter measures
 - a. The magnitude of the impedance
 - b. The power dissipation in the impedance
 - c. The phase angle of the impedance
 - d. Both the magnitude and the phase angle of the impedance

Ans: D

3. The Q-meter works on the principle of
 - a. Mutual inductance
 - b. Self inductance
 - c. Series resonance
 - d. Parallel resonance

Ans: C

4. Which of the following meters does not establish square law response?
 - a. Moving coil
 - b. Moving iron
 - c. Electrodynamometer
 - d. Hot wire instrument

Ans: A

5. The following is not essential for the working of an indicating instrument
 - a. Deflecting torque
 - b. Braking torque
 - c. Damping torque
 - d. Controlling torque

Ans: B

6. The difference between the measured value and the true value is called
 - a. Gross error
 - b. Relative error
 - c. Probable error
 - d. Absolute error

Ans: D

7. Volt box is basically a device used for
 - a. Measuring the voltage
 - b. Extending the range of voltmeter

- c. Extending the voltage range of the potentiometer
- d. Measuring power

Ans: C

8. Digital instruments are preferred to other indicating instruments because of the following qualities
- a. Narrow bandwidth
 - b. Better accuracy
 - c. Better resolution
 - d. Cost

Ans: C

9. Horizontally mounted moving iron instruments employ
- a. Eddy current damping
 - b. Air friction damping
 - c. Fluid friction damping
 - d. Electromagnetic damping

Ans: B

10. *The smallest change in a measured variable to which an instrument will respond is*

- a. Accuracy
- b. Resolution
- c. Precision
- d. Sensitivity

Ans: B

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