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Measurement and Instrumentation MCQ Test

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Below is the **Measurement and Instrumentation MCQ test** that checks your basic knowledge of Measurement and Instrumentation. This **Measurement and Instrumentation MCQ Test** contains 20 Multiple Choice Questions. You have to select the right answer to the question. Finally, you can also take the Online Quiz from the **Take Measurement and Instrumentation MCQ Quiz** Button.

Q1. What is the direct method used to measure?

- A. Voltage
- B. Pressure
- C. Temperature
- **D. Length**

Q2. Which of the following does measure the resistance most accurately?

- A. Multimeter
- B. Megger
- **C. Bridge method**
- D. Voltmeter-ammeter method

Q3. Which of the following wave has the least form factor?

- A. Sine wave
- **B. Square wave**
- C. Triangular wave
- D. Rectangular wave

Q4. Electrostatic instruments are normally used for high voltage measurements.

- **A. True**
- B. False

Q5. Which of the following purpose jewels are used in instruments?

- A. Damping
- **B. Bearing**
- C. Torque control
- D. None of the above

Q6. can be used to measure AC current only.

- A. Moving iron voltmeter
- B. Moving iron ammeter
- **C. Induction type ammeter**
- D. None of the above

Q7. Why the MISC meter is not recommended for DC measurement?

- A. The meter does not respond to DC signals
- B. The error is high due to eddy current effect
- **C. The error is high due to hysteresis effect**
- D. None of the above

Q8. The sensing wire is made of in hot wire instrument.

- A. Silver
- B. Copper
- C. Copper & Nickel
- **D. Platinum & iridium**

Q9. Which is not an integrating instrument?

- A. Watt-hour meter
- **B. Voltmeter**
- C. Ampere-hour meter
- D. None of the above

Q10. What are the advantages of moving coil permanent magnet type instrument?

- A. No hysteresis loss
- B. Low power consumption
- C. Efficiency eddy current damping
- **D. All of the above**

Q11. Which of the following type watt meter cannot be used for A.C and D.C?

- A. Electrostatic type
- B. Dynamometer type
- C. Induction Type
- **D. None of the above**

Q12. Which of the following is the main cause of magnetic decay in PMMC type instrument?

- A. Quality of spring
- B. Aging of the spring
- **C. Aging of the magnets**
- D. None of the above

Q13. What is the cause of the speed error in the induction type energy meter?

- A. Temperature variations
- **B. Incorrect Position of brake magnets**
- C. Slow but continuous rotation of an aluminum disc
- D. None of the above

Q14. The range can be increased by using

- A. Ammeter
- B. Voltmeter
- C. Energymeter
- **D. Current Transformer**

Q15. Are Bolometers used for the measurement of Electrical signals & Thermal

radiations?

- **A. Yes**
- B. No

Q16. What is the Advantage of LVDT?

- A. Rugged and less friction
- B. High output and high sensitivity
- C. Low hysteresis and low power consumption
- **D. All of the above**

Q17. What is the solar cell?

- A. Photometer
- B. Photoconductive cell
- C. Photoemissive cell
- **D. Photovoltaic cell**

Q18. Which of the following bridge is used to measure the dielectric loss of an insulator?

- A. Wein's bridge
- B. Anderson bridge
- **C. Schering bridge**
- D. None of the above

Q19. Which of the following tool is used to measure the Maxwell bridge?

- A. Frequency
- B. Resistance
- **C. Inductance**
- D. Frequency

Q20. What does the Earth electrode provide?

- A. Medium resistance
- B. High resistance
- **C. Low resistance**

- **D.** None of the above

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