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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. apart from this, you can also download here Measurement and Instrumentation MCQ PDF completely free.

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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