

Duration: 30 Mins

Total Marks: 12

ID: ITISKILL3955YH

Student Name: _____	Roll No: _____
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1. Find the value of shunt resistance required for 1 mA meter to extend the range and measure 10 mA ($R_M = 27 \text{ Ohm}$) ?

- A) 3 Ohms
- B) 2 Ohms
- C) 1 Ohm
- D) 4 Ohms

2. Which electrode controls brightness of the image on the screen of oscilloscope?

- A) Anode
- B) Cathode
- C) Control grid
- D) Focussing electrode

3. In which arrangement the high value of resistor is connected to extend the range of voltmeter?

- A) Series
- B) Star
- C) Delta
- D) Parallel

4. Which parameter is measured by a multimeter?

- A) Voltage
- B) Time duration
- C) Energy
- D) Frequency

5. Which meter movement is not affected by stray magnetic fields?

- A) MI meter - Repulsion type
- B) MI meter - attraction type
- C) PMMC meter
- D) Thermo couple meter

6. What is the full form of the abbreviation PMMC meter?

- A) Position Magnet Moving Coil meter
- B) Permanent Magnet Moving Coil meter
- C) Parallel Magnet Moving Coil meter
- D) Principle Magnet Moving Coil meter

7. Which torque is used in PMMC meter movement?

- A) Moderate torque
- B) High torque
- C) Low torque
- D) Insufficient torque

8. In which analog meter the battery is provided?

- A) Ohm meter
- B) Ammeter
- C) Watt meter
- D) Voltmeter

9. Which parameter is used in the working of moving coil meter?

- A) Stray magnetic fields
- B) Spring control
- C) Eddy current damping
- D) Permanent magnetic fields

10. Which bearing is supporting the shaft of moving coil assembly in a PMMC instrument?

- A) Steel bearings
- B) Bush bearings
- C) Jewelled bearings
- D) Gun metal bearings

11. Which meter uses a moving coil for measurement?

- A) PMMC meter
- B) MI repulsion type
- C) MI attraction type
- D) LCR meter

12. Which characteristics enable the deflection of pointer in the attraction type moving iron meter?

- A) Weight of the soft iron pieces
- B) Deflecting and controlling torques are
- C) Deflection is independent of current direction
- D) Deflection is inversely proportional to current