

Duration: 30 Mins

Total Marks: 12

ID: ITISKILL3955YH

Student Name: _____

Roll No: _____

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

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

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

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

3. Which meter uses a moving coil for measurement?

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

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

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

5. Which parameter is measured by a multimeter?

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

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

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

7. 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) 2 Ohms
B) 4 Ohms
C) 3 Ohms
D) 1 Ohm

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

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

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

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

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

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

11. Which torque is used in PMMC meter movement?

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

12. In which analog meter the battery is provided?

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