

Duration: 30 Mins

Total Marks: 12

Q.ID: ITISKILL3955YH

1. Which parameter is measured by a multimeter?

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

Answer: A) Voltage

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

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

Answer: D) Control grid

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

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

Answer: D) Series

4. Which torque is used in PMMC meter movement?

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

Answer: A) Moderate torque

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

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

Answer: C) PMMC meter

6. Which meter uses a moving coil for measurement?

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

Answer: C) PMMC meter

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

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

Answer: C) Deflection is independent of current direction

8. Find the value of shunt resistance required for 1 mA meter to extend the range and measure 10 mA (RM = 27 Ohm) ?

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

Answer: C) 3 Ohms

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

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

Answer: A) Jewelled bearings

10. In which analog meter the battery is provided?

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

Answer: B) Ohm meter

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

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

Answer: C) Permanent Magnet Moving Coil meter

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

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

Answer: B) Permanent magnetic fields