

Q41. should be used for an accurate measurement of low D.C. voltage.

- small range moving coil voltmeter
- D.C. potentiometer
- small range thermocouple voltmeter
- none of the above

Ans. 2

Q42. The best device to measure the true open circuit e.m.f. of a battery is

- D.C. voltmeter
- ammeter and a known resistance
- D.C. potentiometer
- none of the above

Ans. 3

Q43. A phase shifting transformer is used in conjunction with

- D.C. potentiometer
- Drysdale potentiometer
- A.C. co-ordinate potentiometer
- Crompton potentiometer

Ans. 2

Q44. In order to achieve high accuracy, the slide wire of a potentiometer should be

- as long as possible
- as short as possible
- neither too small nor too large
- very thick

Ans. 1

Q45. The stator of phase shifting transformer for use in conjunction with an A.C. potentiometer usually has a

- single-phase winding
- two-phase winding
- three-phase winding
- none of the above

Ans. 2

Q46. In an A.C. co-ordinate potentiometer, the currents in the phase and quadrature potentiometer are adjusted to be

- out of phase by 90°
- out of phase by 180°
- out of phase by 60°
- out of phase by 0°

Ans. 1

Q47. A universal RLC bridge uses

Maxwell bridge configuration for measurement of inductance and De Santy's bridge for measurement of capacitance

Maxwell Wein bridge configuration for measurement of inductance and De Santy's bridge for measurement of capacitance

Maxwell Wein bridge configuration for measurement of inductance and Wein bridge for measurement of capacitance

None of the above

Ans. 2

Q48. For measurements on high voltage capacitors, the suitable bridge is

- Wein bridge
- Modified De Santy's bridge
- Schering bridge
- none of the above

Ans. 3

Q49. Wagner earthing device is used to eliminate errors due to

- electrostatic coupling
- electromagnetic coupling
- both 1 and 2
- none of the above

Ans. 1

Q50. Mutual inductance can be measured by using

- Anderson bridge
- Maxwell's bridge
- Heaviside bridge
- any of the above

Ans. 3