

Q101. For the measurement of low resistances, Kelvin's double bridge has high accuracy because:

It has two set of ratio arms which eliminates effect of resistance of connecting lead

It has a null indicating galvanometer

It has two null indicator

It has four sets of ratio arms which eliminates the effect of resistance of connecting lead

Ans. 1

Q102. Swamping resistance is a resistance made up of

Alloy of manganin and copper

Alloy of aluminium and copper

Alloy of nickel and cobalt

Alloy of manganin and aluminium

Ans. 1

Q103. In a moving coil of a meter swamping resistance is added to

Reduce the frequency error

Reduce the temperature error

Reduce the power consumption

All of these

Ans. 2

Q104. The frequency errors in induction instruments can be compensated by the use of

Non inductive shunt in both ammeters and voltmeters

Non inductive shunt in case of ammeters and are generally self compensated in case of voltmeters

Self compensated in case of both ammeters and voltmeters

Self compensated in case of ammeters and non inductive shunt in case of voltmeters

Ans. 2

Q105. For reducing the errors in an induction instrument the alternating current to be measured has

Same frequency with which the instrument was calibrated

High frequency compared with which the instrument was calibrated

Low frequency compared with which the instrument was calibrated

None of these

Ans. 1

Q106. In induction voltmeter, split phase windings are obtained by connecting a

High resistances in series with windings of both the magnets

High resistance in series with the winding of one magnet and an inductive coil in series with the windings of other magnet

An inductive coil in series with the winding of one magnet and a capacitance in series with the windings of other magnet

Inductive coils in series with the winding of both the magnets

Ans. 2

Q107. A cylindrical type with split phase winding induction ammeters employs

A rotating disc

A hollow aluminum drum

A single flux producing winding

Either (1) or (2)

Ans. 2

Q108. Induction type instruments are generally used as

Ammeter

Voltmeter

Wattmeter

All of these

None of these

Ans. 4

Q109. Damping torque is the torque which acts on

Stationary system of the instrument

Moving system of the instrument only when it is stationary

Moving system of the instrument only when it is moving

Stationary system of the instrument only when the moving system is moving

Ans. 3

Q110. The gravity controlled instruments has to be kept

Vertical

Horizontal

Inclined at 45 degree

Inclined at 75 degree

Ans. 1