

Balika Vidyapith, Lakhisarai

Class 12 Sub Physics Dt 28 06 XX

Multiple Choice Questions –

1 The direction of induced current is known from –

a Biot Savart Law b Ampere's Law c Lenz's Law d Ohm's Law

2 An inductor may store energy in its

a electric field b coils c magnetic field d none

3 Lenz's Law obeys law of conservation of

a energy b charge c mass d momentum

4 The SI unit of self inductance is

a henry b coulomb c faraday d ampere

5 1 weber is equivalent to

a 10 maxwell b 100 maxwell c 10^8 maxwell d none

6 weber is the SI unit of

a magnetic flux b magnetic potential c e. m. f. d none

7 Who postulated the laws of electromagnetic induction

a Faraday b Tesla c Gauss d Focault

8 Which of the following is the application of

a Speedometer b Ammeter c Voltmeter d none

9 What do we call the phenomenon of the rate of change of magnetic flux

a induced emf b induced current c induced resistance d none

10 The dimensional formula of magnetic flux is

a $MLT^{-2}A^{-1}$ b $ML^2T^{-2}A^{-1}$ c $ML^2T^{-2}A^{-1}$ d none

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