Physics ICS Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	Lenz's law presented in	A. 1834 B. 1934 C. 1826 D. 1836
2	The mutual inductance between two coils depends upon their	A. Size B. Core material C. Size, core material and separation D. Separation
3	Self induction does not depend on	A. Number of turns of the coil B. Area of cross section of the core C. Nature of material of the core D. Current through inductor
4	In case of inductor , energy is stored in the	A. Electric field B. Magnetic field C. Potential field D. Gravitational field
5	Which of the following converts electrical energy into mechanical energy.	A. Transformer B. A.C. generator C. D.C. generator D. D.C. motor
6	Mutual induction play role in.	A. Generator B. D.C. motor C. Galvanometer D. Transformer
7	EMF is induced due to change in	A. Charge B. Current C. Magnetic flux D. Electric field
8	The device in the circuit that consume electrical energy are known as.	A. Dissipaters B. Generator C. Load D. Motors
9	The magnitude of back emf:	A. Increases with sped of motor B. Decreases with speed of motor C. Remains same D. None of above
10	the core of transformer is laminated so reduce.	A. Magnetic loss B. Hysteresis loss C. Eddy current loss D. Electric loss
11	For step down transformer	A. Ns>Np B. Np > Ns C. Ns = Np D. Ns > > > Np
12	By winding the coil around a less magnetic core, self induction.	A. Will increase B. Will decrease C. Remain same D. First increase then decrease
13	In self induction A coil is connected in_____ with battery and a rheostat.	A. Parallel B. Series C. Both A and B D. None of above
14	The emf induced by the motion of a conductor across a magnetic field is called:	A. Motional emf B. Rotational emf C. Induced emf D. All of above
15	DC generator by william Sturgeon in:	A. 1894 B. 1961 C. 1834 D. 1961

16	The self induction emf is some times called.	A. Motional emf B. Constant emf C. Back emf D. Variable emf
17	If we make magnetic field stronger the value of induced current is.	A. Decreased B. Increased C. Vanishes D. Remain constant
18	The direction of induced current is always so as to oppose the change which causes the current, this is the statement of	A. Lenz's law B. Faraday's law C. Ampere's law D. Coulomb's law
19	The motional emf depends upon the	A. Length of conductor B. Speed of conductor C. Strength of magnet D. All of these
20	Induced emf in A.C. generator can be increased by	A. Decreasing area of coil B. Decreasing magnetic field C. Increasing area of coil D. Slowing down speed of coil