

## Physics ICS Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	The working principle of transformer is.	A. Self induction B. Faraday's law C. Mutual induction D. Electromagnetic induction
2	The magnitude of back emf:	A. Increases with sped of motor B. Decreases with speed of motor C. Remains same  D. None of above
3	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
4	The illustration of the phenomenon of mutual induction is in the device of	A. Transformer B. Inductor C. A.C. Generator D. Ammeter
5	The movement of conductor in magnetic field produces electrical current was discovered in:	A. 1931 B. 1731 C. 1842 D. 1831
6	A 50 mH coil carries a current of 2.0 a , then energy stored in tis magnetic field is.	A. 0.1 J B. 10 J C. 100 J D. 1000 J
7	For step down transformer	A. Ns>Np B. Np > Ns C. Ns = Np D. Ns > > > Np
8	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
9	In A.C. generator , when plane of coil is perpendicular to magnetic field, then output of generator is.	A. NwAB B. 2pi f C. Maximum D. Zero
10	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
11	When a conductor moves across a magnetic field an emf is set up this emf is called.	A. Variable emf B. Constant emf C. Back emf D. Induced emf
12	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
13	A simple device that prevents the direction of current from changing is called.	A. Commutator B. Rotor C. Armature D. Detector
14	the core of transformer is laminated so reduce.	A. Magnetic loss  B. Hysteresis loss C. Eddy current loss D. Electric loss
15	Commentator was invented by	A. Henry B. Ousted C. Maxwell D. William sturgeon

16	The induction can be increased by winding the wire around a core made of.	A. Copper B. Silicon C. Iron D. Aluminum
17	The magnitude of motional emf is given by	
18	The current induced can be increased by:	A. Using a stronger magnetic field B. Moving the loop faster C. Replacing the loop bay coi of many turns D. All of above
19	If magnetic field is doubled then magnetic energy density becomes.	A. Four times B. Two times C. Three times D. Six times
20	The only difference between the construction of D.C and A.C is.	A. Carbon burshes B. Coil C. Commutator D. Magnetic field