

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

Sr	Questions	Answers Choice
1	A.C is converted into D.C by	A. Dynamo B. Rectifier C. Motor D. Transformer
2	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
3	Transformer is used to change	A. Electric power B. Magnetic field C. Alternating voltage D. Phase of A.C.
4	Which of the following converts electrical energy into mechanical energy.	A. Transformer B. A.C. generator C. D.C. generator D. D.C. motor
5	The only difference between the construction of D.C and A.C is.	A. Carbon burshes B. Coil C. Commutator D. Magnetic field
6	$B^2/2\mu$ is the expression of.	A. Lenz's law B. Magnetic energy C. Magnetic energy density D. Back emf
7	For inducing emf in a coil the basic requirement is that:	A. Flux should link the coil B. Change in flux should link the coil C. Coil should form a closed loop D. Both (b) and (c) are true
8	When the back emf is zero, its draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
9	The induction can be increased by winding the wire around a core made of.	A. Copper B. Silicon C. Iron D. Aluminum
10	Which of the following quantities remain constant in step up transformer?	A. Current B. Voltage C. Power D. Heat
11	In case of inductor , energy is stored in the	A. Electric field B. Magnetic field C. Potential field D. Gravitational field
12	The motional emf developed in a conduction depends upon.	A. Length B. Orientation C. Magnetic field D. All of the above
13	The Direction of induced current is always so as to oppose the change which causes the current, is:	A. Faraday's law B. Lenz's law C. Ohm's law D. Kirchoff' s1ast rule
14	When back emf in motor is zero, it draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
15	Eddy current is one cause energy loss in	A. A.C. generator B. Transformer C. D.C. motor D. D.C. generator

16	The direction of induced current is always so as to oppose the change which causes the current is:	A. Faraday's law B. Lenz's law C. Ohm's law D. Kirchoff's 1st rule
17	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
18	In D.C. generator, split rings act as.	A. Capacitor B. Commutator C. Resistor D. Inductor
19	The Lenz's law is also statement of:	A. Law of conservation of mass B. Law of conservation of charge C. Law of conservation of energy D. Law of conservation of momentum
20	Step up transformer is used.	A. Step up D.C. voltage B. Step up A.C. voltage C. Step up both A.C and D.C. D. Step up A.C. current