

Physics ICS Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	The only difference between the construction of D.C and A.C is.	A. Carbon brushes B. Coil C. Commutator D. Magnetic field
2	A real transformer does not change.	A. Voltage level B. Current level C. Power level D. Frequency
3	If D.C. input for step up transformer, the output is	A. Zero B. High C. Low D. May be high or low
4	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
5	The motional emf developed in a conduction depends upon.	A. Length B. Orientation C. Magnetic field D. All of the above
6	The Lenz's law fulfils.	A. Law of conservation of energy B. Law of conservation of charge C. Law of conservation of momentum D. Kirchhoff's law
7	The illustration of the phenomenon of mutual induction is in the device of	A. Transformer B. Inductor C. A.C. Generator D. Ammeter
8	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
9	Which one is not present in A.C. generator.	A. Armature B. Magnet C. Slip rings D. Commutator
10	Lenz's law deals with	A. Magnitude of emf B. Direction emf C. Direction of induced current D. Resistance
11	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
12	Which of the following converts electrical energy into mechanical energy.	A. Transformer B. A.C. generator C. D.C. generator D. D.C. motor
13	One henry is equal to	A. 1 ohm x 1 sec B. 1 ohm x 1 hertz C. 1 ohm x 1 metre D. All of above
14	the core of transformer is laminated so reduce.	A. Magnetic loss B. Hysteresis loss C. Eddy current loss D. Electric loss
15	A.C. Generator based upon the	A. Lenz's law B. Maxwell's relation C. Faraday's law of electromagnet induction D. All of above

16 The working principle of transformer is.

A. Self induction
B. Faraday's law
C. Mutual induction
D. Electromagnetic induction

17 Electromagnetic induction obeys law of conservation

A. Charge
B. Energy
C. Momentum
D. Mass

18 If force in the direction of velocity of conductor, then induced current is directed,

A. Anti clockwise
B. Clock wise
C. At equilibrium
D. None of above

19 The motional emf is give by

A. qvB
B. IBL
C. eBL
D. vBL

20 Commentator was invented by

A. Henry
B. Ousted
C. Maxwell
D. William sturgeon
