

Physics ICS Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	If D.C. input for step up transformer, the output is	A. Zero B. High C. Low D. May be high or low
2	A simple device that prevents the direction of current from changing is called.	A. Commutator B. Rotor C. Armature D. Detector
3	For step down transformer	A. Ns>Np B. Np > Ns C. Ns = Np D. Ns > > > Np
4	Commutator was invented in	A. 1834 B. 1820 C. 1840 D. 1835
5	The north pole of a magnet is brought near a metallic ring. The direction of induced current in the ring will be:	A. Antoclockwise B. Clockwise C. First Clockwise and then Antoclockwise D. First anticlockwise and then Clockwise
6	The rod of unit length is moving at 30 o through a magnetic field of 1 T. If the velocity of rod is 1 m/s, then induced emf in the rod will be given by	A. I V B. 0.25 V C. 0.5 V D. 0.6 V
7	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
8	Unit of self inductance is	A. Weber B. Tesla C. Henry D. Farad
9	Step up transfer has a transformation ratio of 3:2. What is the voltage in secondary , If voltage in primary is 30 $\mathrm{V?}$	A. 45 V B. 15 V C. 90 V D. 300 V
10	The application of mutual induction is a.	A. D.C. motor B. Radio C. Television D. Transformer
11	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
12	The device in which induced emf is statically induced emf is:	A. Transforms B. AC generator C. Alevator D. Dynamo
13	Question Image	A. Lenz's law B. Faraday's law C. Ampere's law D. None of these
14	A step up transformer is used 120 V line to provide 240 V. If primary coil has 100 turns the number of turns is secondary is.	A. 50 B. 100 C. 150 D. 200
15	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
16	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
17	In A.C. inductor behaves as	A. Capacitor B. Resistor C. Commutator D. Transistor
18	If magnetic field is doubled then magnetic energy density becomes.	A. Four times B. Two times C. Three times D. Six times
19	Commentator was invented by	A. Henry B. Ousted C. Maxwell D. William sturgeon
20	The only difference between the construction of D.C and A.C is.	A. Carbon burshes B. Coil C. Commutator D. Magnetic field