

Physics ICS Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	A current generator device converts:	A. Mechanical energy into chemical energy B. Chemical energy into electrical energy C. Mechanical energy into electrical energy D. Both b and c
2	split rings are used in	A. A.C. generator B. A.C. motor C. Transformer D. D.C. motor
3	The Si unit of Mutual inductance is:	A. $V A^{-1} S^{-1}$ B. $V A S^{-1}$ C. $V S A^{-1}$ D. $A S V^{-1}$
4	1 Henry =	A. $V S A^{-1}$ B. $V S^{-1} A^{-1}$ C. $V^{-1} S A$ D. $V S A^{-2}$
5	When the back emf in a current is zero, it draws	A. Zero current B. Maximum current C. Minimum current D. Steady average current
6	The device in the circuit that consume electrical energy are known as.	A. Dissipaters B. Generator C. Load D. Motors
7	If the coil is wound on iron core, the flux through it.	A. Decreases B. Becomes zero C. Increases D. Remains constant
8	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
9	Question Image	
10	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
11	Lenz's law was given by Heinrich lenz in:	A. 1894 B. 1904 C. 1854 D. 1834
12	Commutator was invented by:	A. William bills B. William Gates C. William tells D. William Sturgeon
13	Eddy current is produced when:	A. A metal is light in varying magnetic field B. A metal is kept in steady magnetic field C. A circular coil is placed in a steady magnetic field D. A current is passed through a circular coil
14	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

15	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
16	DC generator by William Sturgeon in:	A. 1894 B. 1961 C. 1834 D. 1961
17	The induction can be increased by winding the wire around a core made of.	A. Copper B. Silicon C. Iron D. Aluminum
18	Transformer is used to change	A. Electric power B. Magnetic field C. Alternating voltage D. Phase of A.C.
19	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
20	The induced emf in a coil is proportional to:	A. Magnetic flux through the coil B. Rate of change of Magnetic flux through the coil C. Area of the coil D. Product of magnetic flux and area of the coil