

Physics FSC Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	The induction can be increased by winding the wire around a core made of.	A. Copper B. Silicon C. Iron D. Aluminum
2	1 Henry =	A. VSA^{-1} B. $VS^{-1}A^{-1}$ C. $V^{-1}SA$ D. VSA^{-2}
3	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
4	In D.C. generator, split rings act as.	A. Capacitor B. Commutator C. Resistor D. Inductor
5	Which one is not present in A.C. generator.	A. Armature B. Magnet C. Slip rings D. Commutator
6	The device in the circuit that consume electrical energy are known as.	A. Dissipaters B. Generator C. Load D. Motors
7	Lenz's law is a consequence of the law of conservation of	A. Charge B. Momentum C. Energy D. Angular momentum
8	If 10 A current passes through 100 mH inductor, then energy stored is.	A. 100 J B. 5 J C. 20 J D. Zero
9	Unit of self inductance is	A. Weber B. Tesla C. Henry D. Farad
10	Commutator was invented by	A. Henry B. Ousted C. Maxwell D. William sturgeon
11	Eddy current is one cause energy loss in	A. A.C. generator B. Transformer C. D.C. motor D. D.C. generator
12	The device in which induced emf is statically induced emf is:	A. Transforms B. AC generator C. Alevator D. Dynamo
13	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
14	DC generator by william Sturgeon in:	A. 1894 B. 1961 C. 1834 D. 1961
15	The magnitude of back emf:	A. Increases with sped of motor B. Decreases with speed of motor C. Remains same

		D. None of above
16	If speed of rotation of a generator is doubled the output voltage will be.	A. Remain same B. Double C. Four time D. One half
17	Energy density of an inductor is:	A. $U_M = \frac{1}{2} \mu B^2$ B. $U_M = 2 \mu B^2$ C. $U_M = \frac{1}{2} B^2 / \mu$ D. $U_M = 2 B^2 / \mu$
18	When motor is just started, back emf is almost.	A. Maximum B. Zero C. Minimum D. Infinite
19	When a motor is over loaded then the magnitude of back emf.	A. Increases B. Decreases C. Remain constant D. Zero
20	The jerks in D.C. motor are created by the use of.	A. Armature B. Commutators C. Split rings D. Source of emf