

Physics FSC Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	In self induction A coil is connected in _____ with battery and a rheostat.	A. Parallel B. Series C. Both A and B D. None of above
2	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
3	A simple device that prevents the direction of current from changing is called.	A. Commutator B. Rotor C. Armature D. Detector
4	The Lenz's law fulfils.	A. Law of conservation of energy B. Law of conservation of charge C. Law of conservation of momentum D. Kirchoff's law
5	The motional emf developed in a conduction depends upon.	A. Length B. Orientation C. Magnetic field D. All of the above
6	The induction can be increased by winding the wire around a core made of.	A. Copper B. Silicon C. Iron D. Aluminum
7	In case of inductor , energy is stored in the	A. Electric field B. Magnetic field C. Potential field D. Gravitational field
8	Which one is not present in A.C. generator.	A. Armature B. Magnet C. Slip rings D. Commutator
9	Lenz's law presented in	A. 1834 B. 1934 C. 1826 D. 1836
10	The motional emf is give by	A. qvB B. IBL C. eBL D. vBL
11	The mutual inductance of the coils depends upon.	A. Stiffness of the coils B. Density of coils C. Material of coils D. Geometry of the coils
12	SI unit of henry which is.	A. VSA-1 B. VS-1 A C. VS-1A-1 D. VSA
13	The illustration of the phenomenon of mutual induction is in the device of	A. Transformer B. Inductor C. A.C. Generator D. Ammeter
14	When back emf in motor is zero, it draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
15	Mutual induction has a practical role in the performance of the.	A. Radio choke B. Transformers C. A.C. Generator D. D.C. Generator

16	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
17	When the back emf in a current is zero, it draws	A. Zero current B. Maximum current C. Minimum current D. Steady average current
18	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 flux and area of the coil
19	A.C. Generator based upon the	A. Lenz's law B. Maxwell's relation C. Faradays law of electromagnet induction D. Mutual induction
20	In A.C. inductor behaves as	A. Capacitor B. Resistor C. Commutator D. Transistor