

Physics FSC Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	Lenz's law is a consequence of the law of conservation of	A. Charge B. Momentum C. Energy D. Angular momentum
2	A simple device that prevents the direction of current from changing is called.	A. Commutator B. Rotor C. Armature D. Detector
3	If the north pole of a magnet moves away from a metallic ring	A. Clockwise B. Anticlockwise C. First clockwise and then anticlockwise D. None of above
4	The SI unit of Mutual inductance is:	A. VAS^{-1} B. VAS^{-1} C. VSA^{-1} D. ASV^{-1}
5	The current induced can be increased by:	A. Using a stronger magnetic field B. Moving the loop faster C. Replacing the loop by coil of many turns D. All of above
6	Output of D.C. motor is	A. A.C. energy B. Mechanical energy C. Chemical energy D. D.C. energy
7	Unit of self inductance is	A. Weber B. Tesla C. Henry D. Farad
8	In A.C. inductor behaves as	A. Capacitor B. Resistor C. Commutator D. Transistor
9	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
10	For step down transformer	A. $N_s > N_p$ B. $N_p > N_s$ C. $N_s = N_p$ D. $N_s < N_p$
11	When the back emf is zero, it draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
12	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
13	The magnitude of motional emf is given by	A. 1834 B. 1820
14	Commutator was invented in	C. 1840 D. 1835
15	Which one is not present in A.C. generator.	A. Armature B. Magnet C. Slip rings D. Commutator

16	The winding of the electromagnet in motor are usually called.	A. Magnetic coils B. Field coils C. Electric coils D. electric o electric coils
17	The motional emf is give by	A. qvB B. IBL C. eBL D. vBL
18	split rings are used in	A. A.C. generator B. A.C. motor C. Transformer D. D.C. motor
19	The induction can be increased by winding the wire around a core made of.	A. Copper B. Silicon C. Iron D. Aluminum
20	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