

## Physics ICS Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	EMF is induced due to change in	A. Charge B. Current C. Magnetic flux D. Electric field
2	The Direction of induced current is always so as to oppose the change which causes the current, is:	A. Faraday's law B. Lenz's law C. Ohm's law D. Kirchhoff s1ast rule
3	A metal rod of 1 m is moving at a speed of 1 ms-1 in a direction making an angle 30 $^{\rm O}$ with 0.5 T magnetic field . The emf produced is.	A. 0.25 N B. 2.5 N C. 0.25 V D. 2.5 V
4	Which one is not present in A.C. generator.	A. Armature B. Magnet C. Slip rings D. Commutator
5	When back emf in motor is zero, it draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
6	When a coil is moved in a uniform magnetic field, an induced emf is produced due of change in	A. Flux density B. Electric flux C. Magnetic flux D. Magnetic field strength
7	The motional emf is give by	A. qvB B. IBL C. eBL D. vBL
8	The mutual inductance between two coils depends upon their	A. Size B. Core material C. Size, core material and separation D. Separation
9	The emf induced by the motion of a conductor across a magnetic field is called:	A. Motional emf B. Rotational emf C. Induced emf D. All of above
10	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
11	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
12	split rings are used in	A. A.C. generator B. A.C. motor C. Transformer D. D.C. motor
13	The direction of induced current is always so as to oppose the change which causes the current is:	A. Faraday's law B. Lenz's  law C. Ohm's law D. Kirchhoff's 1st rule
14	When a motor is over loaded then the magnitude of back emf.	A. Increases B. Decreases C. Remain constant D. Zero
		A. Lenz's law

15	Question Image	B. Faraday's law C. Ampere's law D. None of these
16	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
17	Electromagnetic induction is exactly according to law of:	A. Momentum B. Charge C. Energy D. Mass
18	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
19	Eddy current is one cause energy loss in	A. A.C. generator B. Transformer C. D.C. motor D. D.C. generator
20	In case of inductor , energy is stored in the	A. Electric field B. Magnetic field C. Potential field D. Gravitational field