

Physics ICS Part 2 Chapter 15 Online MCQ's Test

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Sr	Questions	Answers Choice
1	When a conductor moves across a magnetic field an emf is set up this emf is called.	A. Variable emf B. Constant emf C. Back emf D. Induced emf
2	In A.C. inductor behaves as	A. Capacitor B. Resistor C. Commutator D. Transistor
3	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
4	The motional emf developed in a conduction depends upon.	A. Length B. Orientation C. Magnetic field D. All of the above
5	The movement of conductor in magnetic field produces electrical current was discovered in:	A. 1931 B. 1731 C. 1842 D. 1831
6	When back emf in motor is zero, it draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
7	What is the co-efficient of mutual inductance, when the magnetic flux changes by 2 x 10^{-2} Wb, and change in current is 0.01 A?	A. 2 H B. 3 H C. 1/2 H D. Zero
8	Electromagnetic induction is exactly according to law of:	A. Momentum B. Charge C. Energy D. Mass
9	Induced emf in A.C. generator can be increased by	A. Decreasing area of coil B. Decreasing magnetic field C. Increasing area of coil D. Slowing down speed of coil
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 induction can be increased by winding the wire around a core made of.	A. Copper B. Silicon C. Iron D. Aluminum
12	If a step up transformer were 100% efficient the primary and secondary winging's would have the same.	A. Current B. Power C. Voltage D. Direction of winding
13	Lenz's law deals with	A. Magnitude of emf B. Direction emf C. Direction of induced current D. Resistance
14	split rings are used in	A. A.C. generator B. A.C. motor C. Transformer D. D.C. motor
		A. Increases

15	When a motor is over loaded then the magnitude of back emf.	B. Decreases C. Remain constant D. Zero
16	If we make magnetic field stronger the value of induced current is.	A. Decreased B. Increased C. Vanishes D. Remain constant
17	Mutual induction play role in.	A. Generator B. D.C. motor C. Galvanometer D. Transformer
18	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
19	A.C is converted into D.C by	A. Dynamo B. Rectifier C. Motor D. Transformer
20	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