

Physics ICS Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	The motional emf depends upon the	A. Length of conductor B. Speed of conductor C. Strength of magnet D. All of these
3	Step up transfer has a transformation ratio of 3:2. What is the voltage in secondary , if voltage in primary is 30 V?	A. 45 V B. 15 V C. 90 V D. 300 V
4	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
5	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
6	Mutual induction has a practical role in the performance of the.	A. Radio choke B. Transformers C. A.C. Generator D. D.C. Generator
7	In D.C. generator, split rings act as.	A. Capacitor B. Commutator C. Resistor D. Inductor
8	The magnitude of back emf:	A. Increases with speed of motor B. Decreases with speed of motor C. Remains same D. None of above
9	The only difference between the construction of D.C and A.C is.	A. Carbon brushes B. Coil C. Commutator D. Magnetic field
10	If a step up transformer were 100% efficient the primary and secondary windings would have the same.	A. Current B. Power C. Voltage D. Direction of winding
11	The self induction emf is some times called.	A. Motional emf B. Constant emf C. Back emf D. Variable emf
12	If magnetic field is doubled then magnetic energy density becomes.	A. Four times B. Two times C. Three times D. Six times
13	The motional emf developed in a conductor depends upon.	A. Length B. Orientation C. Magnetic field D. All of the above
14	Lenz's law deals with	A. Magnitude of emf B. Direction of emf C. Direction of induced current D. Resistance
15	Self inductance of a long solenoid is given by	D. None of the above A. $\frac{\mu_0 n^2 l A}{4\pi}$

16	A.C is converted into D.C by	<ul style="list-style-type: none">B. RectifierC. MotorD. Transformer
17	When back emf in motor is zero, it draws.	<ul style="list-style-type: none">A. Zero currentB. Minimum currentC. Maximum currentD. Steady current
18	The unit of induced emf is	<ul style="list-style-type: none">A. AmpereB. VoltC. Joule/coulombD. Both (b) and (c)
19	When a conductor moves across a magnetic field an emf is set up this emf is called.	<ul style="list-style-type: none">A. Variable emfB. Constant emfC. Back emfD. Induced emf
20	Question Image <input type="text"/>	<ul style="list-style-type: none">A. Lenz's lawB. Faraday's lawC. Ampere's lawD. None of these