

Physics FSC Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	1 Henry =	A. VSA ⁻¹ B. VS ⁻¹ A ⁻¹ C. V ⁻¹ SA D. VSA ⁻²
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's 1st rule
3	EMF is induced due to change in	A. Charge B. Current C. Magnetic flux D. Electric field
4	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
5	Transformer is used to change	A. Electric power B. Magnetic field C. Alternating voltage D. Phase of A.C.
6	Self induction does not depend on	A. Number of turns of the coil B. Area of cross section of the core C. Nature of material of the core D. Current through inductor
7	Commutator was invented by:	A. William bills B. William Gates C. William tells D. William Sturgeon
8	A real transformer does not change.	A. Voltage level B. Current level C. Power level D. Frequency
9	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
10	Michael Faraday and Joseph Henry belongs to	A. England and USA B. France and USA C. China and USA D. None of these
11	A step up transformer is used 120 V line to provide 240 V. If primary coil has 100 turns the number of turns is secondary is.	A. 50 B. 100 C. 150 D. 200
12	Energy density in an inductor is.	A. Directly proportional to magnetic field B. Directly proportional to square of magnetic field C. Inversely proportional to magnetic field D. Inversely proportional to square of magnetic field
13	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
14	B2/2p is the expression of.	A. Lenz's law B. Magnetic energy C. Magnetic energy density

		D. Back emt
15	The magnitude of motional emf is given by	
16	The illustration of the phenomenon of mutual induction is in the device of	A. Transformer B. Inductor C. A.C. Generator D. Ammeter
17	For step down transformer	A. Ns>Np B. Np > Ns C. Ns = Np D. Ns > > Np
18	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
19	When the back emf in a current is zero, it draws	A. Zero current B. Maximum current C. Minimum current D. Steady average current
20	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