

Physics FSC Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	A simple device that prevents the direction of current from changing is called.	A. Commutator B. Rotor C. Armature D. Detector
2	The winding of the electromagnet in motor are usually called.	A. Magnetic coils B. Field coils C. Electric coils D. electric o electric coils
3	One henry is equal to	A. 1 ohm x 1 sec B. 1 ohm x 1 hertz C. 1 ohm x 1 metre D. All of above
4	Question Image	A. Lenz's law B. Faraday's law C. Ampere's law D. None of these
5	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
6	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
7	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
8	If force in the direction of velocity of conductor, then induced current is directed,	A. Anti clockwise B. Clock wise C. At equilibrium D. None of above
9	The device in which induced emf is statically induced emf is:	A. Transforms B. AC generator C. Elevator D. Dynamo
10	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
11	the core of transformer is laminated so reduce.	A. Magnetic loss B. Hysteresis loss C. Eddy current loss D. Electric loss
12	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 law
13	Electromagnetic induction obeys law of conservation	A. Charge B. Energy C. Momentum D. Mass
14	Lenz's law presented in	A. 1834 B. 1934 C. 1826 D. 1836

15 The magnitude of back emf:
A. Increases with speed of motor
B. Decreases with speed of motor
C. Remains same
D. None of above

16 If D.C. input for step up transformer, the output is
A. Zero
B. High
C. Low
D. May be high or low

17 The magnitude of motional emf is given by

18 The illustration of the phenomenon of mutual induction is in the device of
A. Transformer
B. Inductor
C. A.C. Generator
D. Ammeter

19 Mutual induction has a practical role in the performance of the.
A. Radio choke
B. Transformers
C. A.C. Generator
D. D.C. Generator

20 Energy stored in inductor is.
A. $1/2 L I^{sup>2}$
B. $1/2 LI$
C. $1/2 L^2 I$
D. $1/2 L^2 I^2$
