

Physics ICS Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	Unit of self inductance is	A. Weber B. Tesla C. Henry D. Farad
2	If D.C. input for step up transformer, the output is	A. Zero B. High C. Low D. May be high or low
3	In A.C. generator , when plane of coil is perpendicular to magnetic field, then output of generator is.	A. $N\omega AB$ B. $2\pi f$ C. Maximum D. Zero
4	Commentator was invented by	A. Henry B. Ousted C. Maxwell D. William sturgeon
5	EMF is induced due to change in	A. Charge B. Current C. Magnetic flux D. Electric field
6	If the coil is wound on iron core, the flux through it.	A. Decreases B. Becomes zero C. Increases D. Remains constant
7	In a coil current change from 2 to 4 A in .05 s . If the average induced emf is 8 V then coefficient of self-inductance is:	A. 0.2 henry B. 0.1 henry C. 0.8 henry D. 0.04 henry
8	The induced emf in a coil is proportional to:	A. Magnetic flux through the coil B. Rate of change of Magnetic flux through the coil C. Area of the coil D. Product of magnetic flux flux and area of the coil
9	When a motor is over loaded then the magnitude of back emf.	A. Increases B. Decreases C. Remain constant D. Zero
10	If 10 A current passes through 100 mH inductor, then energy stored is.	A. 100 J B. 5 J C. 20 J D. Zero
11	The device in which induced emf is statically induced emf is:	A. Transforms B. AC generator C. Elevator D. Dynamo
12	The magnitude of back emf:	A. Increases with sped of motor B. Decreases with speed of motor C. Remains same D. None of above
13	By winding the coil around a less magnetic core, self induction.	A. Will increase B. Will decrease C. Remain same D. First increase then decrease
14	The negative sign with induced emf in Faraday's law is in accordance with	A. Lenz's law B. Amperes law C. Boyle's law D. Gauss law
15	When the back emf in a current is zero, it draws	A. Zero current B. Maximum current C. Minimum current

16 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

17 In case of inductor , energy is stored in the

A. Electric field
B. Magnetic field
C. Potential field
D. Gravitational field

18 In A.C. inductor behaves as

A. Capacitor
B. Resistor
C. Commutator
D. Transistor

19 The jerks in D.C. motor are created by the use of.

A. Armature
B. Commutators
C. Split rings
D. Source of emf

20 A.C is converted into D.C by

A. Dynamo
B. Rectifier
C. Motor
D. Transformer
