

## Physics ICS Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	If magnetic field is doubled then magnetic energy density becomes.	A. Four times B. Two times C. Three times D. Six times
2	The unit of induced emf is	A. Ampere B. Volt C. Joule/coulomb D. Both (b) and (c)
3	The motional emf depends upon the	A. Length of conductor B. Speed of conductor C. Strength of magnet D. All of these
4	The north pole of a magnet is brought near a metallic ring. The direction of induced current in the ring will be:	A. Antoclockwise B. Clockwise C. First Clockwise and then Antoclockwise D. First anticlockwise and then Clockwise
5	In A.C. inductor behaves as	A. Capacitor B. Resistor C. Commutator D. Transistor
6	When a motor is over loaded then the magnitude of back emf.	A. Increases B. Decreases C. Remain constant D. Zero
7	Energy stored in inductor is.	A. $\frac{1}{2} L I^2$ B. $\frac{1}{2} L I$ C. $\frac{1}{2} L^2 I$ D. $\frac{1}{2} L^2 I^2$
8	split rings are used in	A. A.C. generator B. A.C. motor C. Transformer D. D.C. motor
9	Which one is not present in A.C. generator.	A. Armature B. Magnet C. Slip rings D. Commutator
10	In case of inductor , energy is stored in the	A. Electric field B. Magnetic field C. Potential field D. Gravitational field
11	Eddy current is produced when:	A. A metal is light in varying magnetic field B. A metal is kept in steady magnetic field C. A circular coil is placed in a steady magnetic field D. A current is passed through a circular coil
12	The motional emf is give by	A. $qvB$ B. $IBL$ C. $eBL$ D. $vBL$
13	Commentator was invented by	A. Henry B. Ousted C. Maxwell D. William sturgeon
14	The illustration of the phenomenon of mutual induction is in the device of	A. Transformer B. Inductor C. A.C. Generator D. A.C. Motor

		D. Ammeter
15	A real transformer does not change.	A. Voltage level B. Current level C. Power level D. Frequency
16	Output of D.C. motor is	A. A.C. energy B. Mechanical energy C. Chemical energy D. D.C. energy
17	Unit of self inductance is	A. Weber B. Tesla C. Henry D. Farad
18	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
19	Question Image	A. Lenz's law B. Faraday's law C. Ampere's law D. None of these
20	Efficiency of transformer does not affected by	A. Input voltage B. Core of transformer C. Insulation between sheet D. Resistance of coils