

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

Sr	Questions	Answers Choice
1	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
2	The induction can be increased by winding the wire around a core made of.	A. Copper B. Silicon C. Iron D. Aluminum
3	Which one is not present in A.C. generator.	A. Armature B. Magnet C. Slip rings D. Commutator
4	the core of transformer is laminated so reduce.	A. Magnetic loss B. Hysteresis loss C. Eddy current loss D. Electric loss
5	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 &nbsp;law C. Ohm's law D. Kirchoff's 1st rule
6	In A.C. inductor behaves as	A. Capacitor B. Resistor C. Commutator D. Transistor
7	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
8	Self inductance of a long solenoid is given by	D. None of the above
9	If the coil is wound on iron core, the flux through it.	A. Decreases B. Becomes zero C. Increases D. Remains constant
10	EMF is induced due to change in	A. Charge B. Current C. Magnetic flux D. Electric field
11	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
12	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
13	In D.C. generator, split rings act as.	A. Capacitor B. Commutator C. Resistor D. Inductor
14	The self induction emf is some times called.	A. Motional emf B. Constant emf C. Back emf D. Variable emf

15	A simple device that prevents the direction of current from changing is called.	A. Commutator B. Rotor C. Armature D. Detector
16	The Lenz's law fulfils.	A. Law of conservation of energy B. Law of conservation of charge C. Law of conservation of momentum D. Kirchhoff's law
17	Which of the following converts electrical energy into mechanical energy.	A. Transformer B. A.C. generator C. D.C. generator D. D.C. motor
18	Commutator was invented by	A. Henry B. Ousted C. Maxwell D. William sturgeon
19	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
20	When a conductor moves across a magnetic field an emf is set up this emf is called.	A. Variable emf B. Constant emf C. Back emf D. Induced emf