

Physics FSC Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	When a motor is over loaded then the magnitude of back emf.	A. Increases B. Decreases C. Remain constant D. Zero
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	Which of the following converts electrical energy into mechanical energy.	A. Transformer B. A.C. generator C. D.C. generator D. D.C. motor
4	The device in which induced emf is statically induced emf is:	A. Transforms B. AC generator C. Alevator D. Dynamo
5	With the speed of motor, magnitude of back emf	A. Remain same B. Increase C. Decrease D. First increases then decreases
6	If 10 A current passes through 100 mH inductor, then energy stored is.	A. 100 J B. 5 J C. 20 J D. Zero
7	Question Image	A. Lenz's law B. Faraday's law C. Ampere's law D. None of these
8	Which of the following quantities remain constant in step up transformer?	A. Current B. Voltage C. Power D. Heat
9	Step up transfer has a transformation ratio of 3:2. What is the voltage in secondary , If voltage in primary is 30 V?	A. 45 V B. 15 V C. 90 V D. 300 V
10	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 circualr coil
11	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
12	The unit of induced emf is	A. Ampere B. Volt C. Joule/coulomb D. Both (b) and (c)
13	Output of D.C. motor is	A. A.C. energy B. Mechanical energy C. Chemical energy D. D.C. energy
14	Electromagnetic induction is exactly according to law of:	A. Momentum B. Charge C. Energy D. Mass

15	A metal rod of 1 m is moving at a speed of 1 ms-1 in a direction making an angle 30 $^{\rm o}$ with 0.5 T magnetic field . The emf produced is.	A. 0.25 N B. 2.5 N C. 0.25 V D. 2.5 V
16	A simple device that prevents the direction of current from changing is called.	A. Commutator B. Rotor C. Armature D. Detector
17	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
18	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
19	If magnetic field is doubled then magnetic energy density becomes.	A. Four times B. Two times C. Three times D. Six times
20	The device in the circuit that consume electrical energy are known as.	A. Dissipaters B. Generator C. Load D. Motors