

Physics FSC Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	DC generator by william Sturgeon in:	A. 1894 B. 1961 C. 1834 D. 1961
2	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
3	In case of inductor , energy is stored in the	A. Electric field B. Magnetic field C. Potential field D. Gravitational field
4	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
5	If a step up transformer were 100% efficient the primary and secondary winging's would have the same.	A. Current B. Power C. Voltage D. Direction of winding
6	Electromagnetic induction obeys law of conservation	A. Charge B. Energy C. Momentum D. Mass
7	Lenz's law was given by Heinrich lenz in:	A. 1894 B. 1904 C. 1854 D. 1834
8	The unit of induced emf is	A. Ampere B. Volt C. Joule/coulomb D. Both (b) and (c)
9	Self inductance of a long solenoid is given by	D. None of the above
10	Electric current produces magnetic field, was suggested by.	A. Faraday B. Oersted C. Henry D. Lenz
11	Question Image	
12	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
13	Energy density of an inductor is:	A. $U_M = \frac{1}{2} \mu \frac{B^2}{B^2}$ B. $U_M = 2 \mu \frac{B^2}{B}$ C. $U_M = \frac{1}{2} \mu \frac{B^2}{B^2}$ D. $U_M = 2 \mu \frac{B^2}{B^2}$
14	The only difference between the construction of D.C and A.C is.	A. Carbon burshes B. Coil C. Commutator D. Magnetic field
15	SI unit of hennery which is.	A. VSA-1 B. VS-1 A C. VS-1A-1 D. VSA
16	Mutual induction play role in.	A. Generator B. D.C. motor C. Galvanometer

D. Transformer

17	When motor is just started, back emf is almost.	A. Maximum B. Zero C. Minimum D. Infinite
18	Output of D.C. motor is	A. A.C. energy B. Mechanical energy C. Chemical energy D. D.C. energy
19	The rod of unit length is moving at 30 o through a magnetic field of 1 T. If the velocity of rod is 1 m/s, then induced emf in the rod will be given by	A. 1 V B. 0.25 V C. 0.5 V D. 0.6 V
20	The motional emf developed in a conduction depends upon.	A. Length B. Orientation C. Magnetic field D. All of the above
