Physics FSC Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	Unit of self inductance is	A. Weber B. Tesla C. Henry D. Farad
3	Michael Faraday and Joseph Henry belongs to	A. England and USA B. France and USA C. China and USA D. None of these
4	B2/2p is the expression of.	A. Lenz's law B. Magnetic energy C. Magnetic energy density D. Back emf
5	Mutual induction has a practical role in the performance of the.	A. Radio choke B. Transformers C. A.C. Generator D. D.C. Generator
6	Mutual induction play role in.	A. Generator B. D.C. motor C. Galvanometer D. Transformer
7	SI unit of hennery which is.	A. VSA-1 B. VS-1 A C. VS-1A-1 D. VSA
8	In D.C. generator, split rings act as.	A. Capacitor B. Commutator C. Resistor D. Inductor
9	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
10	split rings are used in	A. A.C. generator B. A.C. motor C. Transformer D. D.C. motor
11	Self inductance of a long solenoid is given by	D. None of the above
12	In A.C. inductor behaves as	A. Capacitor B. Resistor C. Commutator D. Transistor
13	Lenz's law is a consequence of the law of conservation of	A. Charge B. Momentum C. Energy D. Angular momentum
14	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. I V B. 0.25 V C. 0.5 V D. 0.6 V
15	If the coil is wound on iron core, the flux through it.	A. Decreases B. Becomes zero C. Increases D. Remains constant
16	For step down transformer	A. Ns>Np B. Np > Ns C. Ns = Np

D. Ns > > > Np

17	A.C. Generator based upon the	A. Lenz's law B. Maxwell's relation C. Faradays law of electromagnet induction D. Mutual induction
18	Electric current produces magnetic field, was suggested by.	A. Faraday B. Oersted C. Henry D. Lenz
19	Which of the following converts electrical energy into mechanical energy.	A. Transformer B. A.C. generator C. D.C. generator D. D.C. motor
20	With the speed of motor, magnitude of back emf	A. Remain same B. Increase C. Decrease D. First increases then decreases