Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which one is not present in A.C. generator.	A. Armature B. Magnet C. Slip rings D. Commutator
2	A.C. Generator based upon the	A. Lenz's law B. Maxwell's relation C. Faradays law of electromagnet induction D. Mutual induction
3	A 50 mH coil carries a current of 2.0 a , then energy stored in tis magnetic field is.	A. 0.1 J B. 10 J C. 100 J D. 1000 J
4	If 10 A current passes through 100 mH inductor, then energy stored is.	A. 100 J B. 5 J C. 20 J D. Zero
5	In case of inductor , energy is stored in the	A. Electric field B. Magnetic field C. Potential field D. Gravitational field
6	If magnetic field is doubled then magnetic energy density becomes.	A. Four times B. Two times C. Three times D. Six times
7	Energy stored in inductor is.	A. 1/2 L I² B. 1/2 LI C. 1/2 L2I D. 1/2 L2I2
8	B2/2p is the expression of.	A. Lenz's law B. Magnetic energy C. Magnetic energy density D. Back emf
9	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
10	Unit of self inductance is	A. Weber B. Tesla C. Henry D. Farad
11	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
12	The induction can be increased by winding the wire around a core made of.	A. Copper B. Silicon C. Iron D. Aluminum
13	The self induction emf is some times called.	A. Motional emf B. Constant emf C. Back emf D. Variable emf
14	The mutual inductance between two coils depends upon their	A. Size B. Core material C. Size, core material and separation D. Separation
15	Mutual induction has a practical role in the performance of the.	A. Radio choke B. Transformers C. A.C. Generator

		D. D.C. Generator
16	SI unit of hennery which is.	A. VSA-1 B. VS-1 A C. VS-1A-1 D. VSA
17	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