

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	Unit of self inductance is	A. Weber B. Tesla C. Henry D. Farad
3	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
4	The induction can be increased by winding the wire around a core made of.	A. Copper B. Silicon C. Iron D. Aluminum
5	The self induction emf is some times called.	A. Motional emf B. Constant emf C. Back emf D. Variable emf
6	The mutual inductance between two coils depends upon their	A. Size B. Core material C. Size, core material and separation D. Separation
7	Mutual induction has a practical role in the performance of the.	A. Radio choke B. Transformers C. A.C. Generator D. D.C. Generator
8	SI unit of henry which is.	A. VSA-1 B. VS-1 A C. VS-1A-1 D. VSA
9	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
10	Mutual induction play role in.	A. Generator B. D.C. motor C. Galvanometer D. Transformer
11	Energy density in an inductor is.	A. Directly proportional to magnetic field B. Directly proportional to square of magnetic field C. Inversely proportional to magnetic field D. Inversely proportional to square of magnetic field
12	Lenz's law deals with	A. Magnitude of emf B. Direction emf C. Direction of induced current D. Resistance
13	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
14	Lenz's law is a consequence of the law of conservation of	A. Charge B. Momentum C. Energy D. Angular momentum

15	EMF is induced due to change in	A. Charge B. Current C. Magnetic flux D. Electric field
16	When a coil is moved in a uniform magnetic field, an induced emf is produced due of change in	A. Flux density B. Electric flux C. Magnetic flux D. Magnetic field strength
17	The negative sign with induced emf in Faraday's law is in accordance with	A. Lenz's law B. Amperes law C. Boyle's law D. Gauss law