

Physics ICS Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	Electromagnetic induction obeys law of conservation	A. Charge B. Energy C. Momentum D. Mass
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	<div style="border: 1px solid #ccc; width: 500px; height: 20px; display: inline-block;"></div> Question Image	A. Lenz's law B. Faraday's law C. Ampere's law D. None of these
4	In D.C. generator, split rings act as.	A. Capacitor B. Commutator C. Resistor D. Inductor
5	The unit of induced emf is	A. Ampere B. Volt C. Joule/coulomb D. Both (b) and (c)
6	A.C. Generator based upon the	A. Lenz's law B. Maxwell's relation C. Faradays law of electromagnet induction D. Mutual induction
7	What is the co-efficient of mutual inductance, when the magnetic flux changes by 2×10^{-2} Wb, and change in current is 0.01 A?	A. 2 H B. 3 H C. 1/2 H D. Zero
8	$B^2/2\mu$ is the expression of.	A. Lenz's law B. Magnetic energy C. Magnetic energy density D. Back emf
9	The self induction emf is some times called.	A. Motional emf B. Constant emf C. Back emf D. Variable emf
10	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
11	The mutual inductance between two coils depends upon their	A. Size B. Core material C. Size, core material and separation D. Separation
12	If D.C. input for step up transformer, the output is	A. Zero B. High C. Low D. May be high or low
13	The direction of induced current is always so as to oppose the change which causes the current, this is the statement of	A. Lenz's law B. Faraday's law C. Ampere's law D. Coulomb's law
14	Michael Faraday and Joseph Henry belongs to	A. England and USA B. France and USA C. China and USA D. None of these
15	Which of the following quantities remain constant in step up transformer?	A. Current B. Voltage C. Power D. Flux

D. Heat

16	The direction of induced current is always so as to oppose the change which causes the current is:	A. Faraday's law B. Lenz's law C. Ohm's law D. Kirchoff's 1st rule
17	The Si unit of Mutual inductance is:	A. $VA^{-1}S^{-1}$ B. VAS^{-1} C. VSA^{-1} D. ASV^{-1}
18	Commentator was invented by	A. Henry B. Ousted C. Maxwell D. William sturgeon
19	Electromagnetic induction is exactly according to law of:	A. Momentum B. Charge C. Energy D. Mass
20	The motional emf is give by	A. qvB B. IBL C. eBL D. vBL