Physics ICS Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	If speed of rotation of a generator is doubled the output voltage will be.	A. Remain same B. Double C. Four time D. One half
2	A simple device that prevents the direction of current from changing is called.	A. Commutator B. Rotor C. Armature D. Detector
3	Energy stored in inductor is.	A. $1/2\ L\ I^2$ B. 1/2 LI C. 1/2 L2I D. 1/2 L2I2
4	B2/2p is the expression of.	A. Lenz's law B. Magnetic energy C. Magnetic energy density D. Back emf
5	The induced emf in a coil is proportional to:	A. Magnetic flux through the coil B. Rate of change of Magnetic flux through the coil C. Area of the coil D. Product of magnetic flux flux and area of the coil
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	If the coil is wound on iron core, the flux through it.	A. Decreases B. Becomes zero C. Increases D. Remains constant
8	The self induction emf is some times called.	A. Motional emf B. Constant emf C. Back emf D. Variable emf
9	A metal rod of 1 m is moving at a speed of 1 ms-1 in a direction making an angle 30 º with 0.5 T magnetic field . The emf produced is.	A. 0.25 N B. 2.5 N C. 0.25 V D. 2.5 V
10	A real transformer does not change.	A. Voltage level B. Current level C. Power level D. Frequency
11	the core of transformer is laminated so reduce.	A. Magnetic loss B. Hysteresis loss C. Eddy current loss D. Electric loss
12	The current induced can be increased by:	A. Using a stronger magnetic field B. Moving the loop faster C. Replacing the loop bay coi of many turns D. All of above
13	The movement of conductor in magnetic field produces electrical current was discovered in:	A. 1931 B. 1731 C. 1842 D. 1831
14	Step up transfer has a transformation ratio of 3:2. What is the voltage in secondary , If voltage in primary is 30 V?	A. 45 V B. 15 V C. 90 V D. 300 V

15	When a conductor moves across a magnetic field an emf is set up this emf is called.	A. Variable emf B. Constant emf C. Back emf D. Induced emf
16	SI unit of hennery which is.	A. VSA-1 B. VS-1 A C. VS-1A-1 D. VSA
17	The application of mutual induction is a.	A. D.C. motor B. Radio C. Television D. Transformer
18	The motional emf depends upon the	A. Length of conductor B. Speed of conductor C. Strength of magnet D. All of these
19	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
20	Unit of self inductance is	A. Weber B. Tesla C. Henry D. Farad