Physics ICS Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	The device in which induced emf is statically induced emf is:	A. Transforms B. AC generator C. Alevator D. Dynamo
2	Output of D.C. motor is	A. A.C. energy B. Mechanical energy C. Chemical energy D. D.C. energy
3	Commentator was invented by	A. Henry B. Ousted C. Maxwell D. William sturgeon
4	1 Henry =	A. VSA⁻¹ B. VS⁻¹A⁻¹ C. V⁻¹SA D. VSA⁻²
5	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
6	Eddy current is one cause energy loss in	A. A.C. generator B. Transformer C. D.C. motor D. D.C. generator
7	Self inductance of a long solenoid is given by	D. None of the above
8	Induced emf in A.C. generator can be increased by	A. Decreasing area of coil B. Decreasing magnetic field C. Increasing area of coil D. Slowing down speed of coil
9	A real transformer does not change.	A. Voltage level B. Current level C. Power level D. Frequency
10	The working principle of transformer is.	A. Self induction B. Faraday's law C. Mutual induction D. Electromagnetic induction
11	Energy stored in inductor is.	A. 1/2 L I² B. 1/2 LI C. 1/2 L2I D. 1/2 L2I2
12	For inducing emf in a coil the basic requirement is that:	A. Flux should link the coil B. Change in flux should link the coil C. Coil should form a closed loop D. Both (b) and (c) are true
13	When back emf in motor is zero, it draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
14	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
15	The application of mutual induction is a.	A. D.C. motor B. Radio C. Television D. Transformer
16	A simple device that prevents the direction of current from changing is called.	A. Commutator B. Rotor C. Armature

		D. Detector
17	split rings are used in	A. A.C. generator B. A.C. motor C. Transformer D. D.C. motor
18	The emf induced by the motion of a conductor across a magnetic field is called:	A. Motional emf B. Rotational emf C. Induced emf D. All of above
19	Commutator was invented in	A. 1834 B. 1820 C. 1840 D. 1835
20	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