Physics ICS Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	In D.C. generator, split rings act as.	A. Capacitor B. Commutator C. Resistor D. Inductor
2	Energy density of an inductor is:	A. UM=1/2μ_◦/B² B. Um = 2μ_◦/B C. UM = 1/2B²/μ_◦ D. Um = 2B²/μ_◦
3	When the back emf in a current is zero, it draws	A. Zero current B. Maximum current C. Minimum current D. Steady average current
4	Commutator was invented in	A. 1834 B. 1820 C. 1840 D. 1835
5	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. Kirchhoff' s1ast rule
6	Lenz's law was given by Heinrich lenz in:	A. 1894 B. 1904 C. 1854 D. 1834
7	The motional emf developed in a conduction depends upon.	A. Length B. Orientation C. Magnetic field D. All of the above
8	The motional emf is give by	A. qvB B. IBL C. eBL D. vBL
9	The movement of conductor in magnetic field produces electrical current was discovered in:	A. 1931 B. 1731 C. 1842 D. 1831
10	Eddy current is one cause energy loss in	A. A.C. generator B. Transformer C. D.C. motor D. D.C. generator
11	Michael Faraday and Joseph Henry belongs to	A. England and USA B. France and USA C. China and USA D. None of these
12	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
13	Eddy current is produced when:	A. A metal is light in varying magnetic field B. A metal is kept in steady magnetic field C. A circular coil is placed in a steady magnetic field D. A current is passed through a circualr coil
14	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
15	A.C is converted into D.C by	A. Dynamo B. Rectifier C. Motor D. Transformer
16	The device in which induced emf is statically induced emf is:	A. Transforms B. AC generator C. Alevator D. Dynamo
17	When the back emf is zero, its draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
18	One henry is equal to	A. 1 ohm x 1 sec B. 1 ohm x 1 hertz C. 1 ohm x 1 metre D. All of above
19	The north pole of a magnet is brought near a metallic ring. The direction of induced current in the ring will be:	A. Antoclockwise B. Clockwise C. First Clockwise and then Antoclockwise D. First anticlockwise and then Clockwise
20	Lenz's law presented in	A. 1834 B. 1934 C. 1826 D. 1836