Physics FSC Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	The magnitude of motional emf is given by	
2	The mutual inductance between two coils depends upon their	A. Size B. Core material C. Size, core material and separation D. Separation
3	the core of transformer is laminated so reduce.	A. Magnetic loss B. Hysteresis loss C. Eddy current loss D. Electric loss
4	In A.C. inductor behaves as	A. Capacitor B. Resistor C. Commutator D. Transistor
5	DC generator by william Sturgeon in:	A. 1894 B. 1961 C. 1834 D. 1961
6	The application of mutual induction is a.	A. D.C. motor B. Radio C. Television D. Transformer
7	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
8	When back emf in motor is zero, it draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
9	Lenz's law presented in	A. 1834 B. 1934 C. 1826 D. 1836
10	Lenz's law was given by Heinrich lenz in:	A. 1894 B. 1904 C. 1854 D. 1834
11	Energy stored in inductor is.	A. 1/2 L I² B. 1/2 LI C. 1/2 L2I D. 1/2 L2I2
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 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
14	Electromagnetic induction is exactly according to law of:	A. Momentum B. Charge C. Energy D. Mass
15	Electric current produces magnetic field, was suggested by.	A. Faraday B. Oersted C. Henry D. Lenz

16	When the back emf in a current is zero, it draws	A. Zero current B. Maximum current C. Minimum current D. Steady average current
17	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
18	Which of the following quantities remain constant in step up transformer?	A. Current B. Voltage C. Power D. Heat
19	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
20	With the speed of motor, magnitude of back emf	A. Remain same B. Increase C. Decrease D. First increases then decreases