

Physics FSC Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	The motional emf is give by	A. qvB B. IBL C. eBL D. vBL
2	In a coil current change from 2 to 4 A in .05 s . If the average induced emf is 8 V then coefficient of self-inductance is:	A. 0.2 henry B. 0.1 henry C. 0.8 henry D. 0.04 henry
3	A 50 mH coil carries a current of 2.0 a , then energy stored in tis magnetic field is.	A. 0.1 J B. 10 J C. 100 J D. 1000 J
4	Lenz's law presented in	A. 1834 B. 1934 C. 1826 D. 1836
5	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
6	With the speed of motor, magnitude of back emf	A. Remain same B. Increase C. Decrease D. First increases then decreases
7	If D.C. input for step up transformer, the output is	A. Zero B. High C. Low D. May be high or low
8	A.C is converted into D.C by	A. Dynamo B. Rectifier C. Motor D. Transformer
9	A metal rod of 1 m is moving at a speed of 1 ms ⁻¹ in a direction making an angle 30° 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	The motional emf developed in a conduction depends upon.	A. Length B. Orientation C. Magnetic field D. All of the above
11	The magnitude of motional emf is given by	
12	When the back emf in a current is zero, it draws	A. Zero current B. Maximum current C. Minimum current D. Steady average current
13	For step down transformer	A. $N_s > N_p$ B. $N_p > N_s$ C. $N_s = N_p$ D. $N_s > > > N_p$
14	In case of inductor , energy is stored in the	A. Electric field B. Magnetic field C. Potential field D. Gravitational field
15	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
		A. Step up D.C. voltage

16	Step up transformer is used.	B. Step up A.C. voltage C. Step up both A.C and D.C. D. Step up A.C. current
17	The device in the circuit that consume electrical energy are known as.	A. Dissipaters B. Generator C. Load D. Motors
18	Lenz's law was given by Heinrich lenz in:	A. 1894 B. 1904 C. 1854 D. 1834
19	The mutual inductance between two coils depends upon their	A. Size B. Core material C. Size, core material and separation D. Separation
20	Question Image <input type="text"/>	