

## Physics FSC Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	Electromagnetic induction is exactly according to law of:	A. Momentum B. Charge C. Energy D. Mass
2	A.C. Generator based upon the	A. Lenz's law B. Maxwell's relation C. Faradays law of electromagnet induction D. Mutual induction
3	If force in the direction of velocity of conductor, then induced current is directed,	A. Anti clockwise B. Clock wise C. At equilibrium D. None of above
4	When the back emf in a current is zero, it draws	A. Zero current     B. Maximum current     C. Minimum current     D. Steady average current
5	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
6	Commutator was invented in	A. 1834 B. 1820 C. 1840 D. 1835
7	Question Image	A. Lenz's law B. Faraday's law C. Ampere's law D. None of these
8	Question Image	
9	The working principle of transformer is.	A. Self induction B. Faraday's law
		C. Mutual induction D. Electromagnetic induction
10	Electric current produces magnetic field, was suggested by.	
10		D. Electromagnetic induction  A. Faraday B. Oersted C. Henry
	Electric current produces magnetic field, was suggested by.	D. Electromagnetic induction  A. Faraday B. Oersted C. Henry D. Lenz  A. Input voltage B. Core of transformer C. Insulation between sheet
11	Electric current produces magnetic field, was suggested by.  Efficiency of transformer does not affected by	D. Electromagnetic induction  A. Faraday B. Oersted C. Henry D. Lenz  A. Input voltage B. Core of transformer C. Insulation between sheet D. Resistance of coils  A. VSA <sup>-1</sup> B. VS <sup>-1</sup> C. V <sup>-1</sup> SA
11	Electric current produces magnetic field, was suggested by.  Efficiency of transformer does not affected by  1 Henry =	D. Electromagnetic induction  A. Faraday B. Oersted C. Henry D. Lenz  A. Input voltage B. Core of transformer C. Insulation between sheet D. Resistance of coils  A. VSA <sup>-1</sup> B. VS <sup>-1</sup> C. V <sup>-1</sup> C. V <sup>-1</sup> A. Length of conductor B. Speed of conductor C. Strength of magnet D. All of these  A. Ns>Np B. Np > Ns C. Ns = Np
11 12 13	Electric current produces magnetic field, was suggested by.  Efficiency of transformer does not affected by  1 Henry =  The motional emf depends upon the	D. Electromagnetic induction  A. Faraday B. Oersted C. Henry D. Lenz  A. Input voltage B. Core of transformer C. Insulation between sheet D. Resistance of coils  A. VSA <sup>-1</sup> B. VS <sup>-1</sup> SA D. VSA <sup>-2</sup> A. Length of conductor B. Speed of conductor C. Strength of magnet D. All of these  A. Ns>Np B. Np > Ns

B2/2p is the expression of.	B. Magnetic energy C. Magnetic energy density D. Back emf
The Lenz's law is also statement of:	A. Law of conservation of mass B. Law of conservation of charge C. Law of conservation of energy D. Law of conservation of momentum
The device in which induced emf is statically induced emf is:	A. Transforms B. AC generator C. Alevator D. Dynamo
The unit of induced emf is	A. Ampere B. Volt C. Joule/coulomb D. Both (b) and (c)
Output of D.C. motor is	A. A.C. energy B. Mechanical energy C. Chemical energy D. D.C. energy
	The Lenz's law is also statement of:  The device in which induced emf is statically induced emf is:  The unit of induced emf is