Physics Fsc Part 1 Chapter 10 Online Test

Sr	Questions	Answers Choice
1	The e.m.f. produced in th conductor when it moves across a magnetic field is called.	A. Self emf B. Motonal emf C. Mutual emf D. Induced emf
2	What is teh value of the current in a wire of 10 cm long of the right angle to a uniform magentic field of 0.5 1weber/m2 when the force acting on the wire is 5 N ?	A. 1 A B. 100 A C. 10 A D. 1000 A
3	Lenz's law deals with the.	A. Magnitude of induced current B. Magnitude of induced emf C. Direction of induced emf D. Direction of induced current
4	The value of the induced emf is directly proportional to the rate of change of.	A. Magnetic flux B. Electric flux C. Force D. Work
5	A moving charged particle is surrounded by	A. Electric field only B. Magnetic field only C. Both electric and magnetic field D. No field
6	Electrons while moving perpedicularly through a uniform magnetic field are.	A. Deflected towards north pole B. Deflected towards south pole C. Deflected along circular path D. Not deflected at all
7	The SI Unit of magnetic flux is.	A. Weber B. N m-1 C. N m A-1 D. Both a and c
8	The direction of line of magetic force can be found by	A. Right hand rule B. Left and rule C. Hund's rule D. Left and right hand rules
9	Total number of magnetic lines of foce passing normally through unit area is called.	A. Flux density B. Magnetism C. Flux D. Magnetic flux
10	The unit of flux density is.	A. NA -1 m-1 B. NA m-1 C. N m A-2 D. Nm A
11	Two free parallel straight wires carrying curreint int he same direction	A. Attract each other B. Repel each other C. Do not affect each other D. Get rotated
12	The SI unit of magnetic induction or flux density is.	A. Tesla B. Gauss C. Ampere D. Weber
13	The unit NA-1 m-1 is called	A. Weber B. Tesla C. Coulomb D. None of these
14	If a current is passing through a wire, the magnet lines of fore are.	A. Concentric circles B. Parallel to the wire C. Perpendicular to the wire

D. <p>Inclined to the wire</p>

15	Two free parallel straight wires carrying currents inthe opposite direction	A. Do not affect wach other B. Repel each other C. Attract each other D. Get rotated
16	The radius of curvature of the path of a charged particle in a uniform magentic field is directly proportional to	A. The particle's charge B. The particle's momentum C. The particle's energy D. The flux dinsity of the field
17	The direction of induced current is always so as ato oppose the chagne. Which causes the current, This is the statemetn of.	A. Lenz's law B. Faraday's law C. Gauss's law D. Joule's law
18	Lenz's law is consistent with	A. Law of conservation of energy B. Law of conservation of charge C. Law of conservation of momentum D. Law of conservation of mass
19	A changing magnetic field produces	A. Electric current B. Changing electric fiedl C. Magnetic field D. Conservative field
20	A 0.50 T field over an area of 2 m2 ehich lies at angle of 60 degree tothe field, then the magnetic flux is.	A. 0.50 weber B. 0.866 weber C. 0.75 weber D. 4 weber