Physics ICS Part 1 Chapter 10 Online Test

Sr	Questions	Answers Choice
1	If the current passing through a wire in a magnetic fiedl is doubled, the magnetic force would become.	A. Twice B. Six times C. Five times D. Four times
2	What is induced when there is a relative motion between coil and the magnet.	A. Potential B. emf C. Flux D. Energy
3	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
4	The force exrted on a wrie of 1 metee length carrying 1 ampere current placed atright angle to the magnetic field is called.	A. Magnetic field intensity B. Magnetic Inductiion C. Megnetic flux D. None of these
5	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
6	The SI unit of magnetic induction or flux density is.	A. Tesla B. Gauss C. Ampere D. Weber
7	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
8	The unit of flux density is.	A. NA -1 m-1 B. NA m-1 C. N m A-2 D. Nm A
9	If electric current flows from top towards the bottom through a wire then the direction of lines of force would be .	A. Parallel to the wire B. Perpendicular to the wire C. Clockwise around the wire D. Anticlockwise around the wire
10	One of the following quantities that is not affected by the magentic field is	A. Moving charge B. Change in magenetic flux C. Current flowing in conductor D. Stationary charge
11	The motional emf depends upon the.	A. Length of a conductor B. Strength of a magnetic field C. Speed of the conductor D. All of the above
12	The number of magnetic lines of force passing through any furface is known as.	A. Magnetism B. Electric flux C. Magnetic flux D. Flux density
13	The current produced when the conductor moes across a magnetic field is called	A. Electric potential B. Electrosatic induction C. Electromagnetic induction D. Electric polarization
		A. Electric field only

14	A moving charged particle is surrounded by	B. Magnetic field only C. Both electric and magnetic field D. No field
15	The fact that emf produced by motion of a coil across a magnetic field was discovered by	A. Michael Faraday B. Henry C. Orested D. Both a and b
16	A current is flowing towards north along a power line. The directio of the magnetic field over teh wire is directed towards.	A. East B. South C. West D. North
17	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
18	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
19	The unit NA-1 m-1 is called	A. Weber B. Tesla C. Coulomb D. None of these
20	Total number of magnetic lines of foce passing normally through unit area is called.	A. Flux density B. Magnetism C. Flux D. Magnetic flux