Physics ICS Part 1 Chapter 10 Online Test

Sr	Questions	Answers Choice
1	When a charged particle is projected perpedicular to uniform magnetic field, its trajectory is.	A. A circle B. Ellipse C. A helix D. Straight line
2	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
3	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
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 changing magnetic field produces	A. Electric current B. Changing electric fiedl C. Magnetic field D. Conservative field
6	Magnetic field is detected by	A. Ammeter B. Galvanometer C. Magnetic compass D. Avometer
7	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
8	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
9	The SI Unit of magnetic flux is.	A. Weber B. N m-1 C. N m A-1 D. Both a and c
10	A magnetic compass will be deffected if it is kept near a	A. Charge of motion B. Charge at rest C. Both a and b D. None
11	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
12	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
13	The unit NA-1 m-1 is called	A. Weber B. Tesla C. Coulomb D. None of these
14	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
15	The SI unit of magnetic induction or flux density is.	A. Tesla B. Gauss C. Ampere D. Weber
16	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. Inclined to the wire
17	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
18	The unit of flux density is.	A. NA -1 m-1 B. NA m-1 C. N m A-2 D. Nm A
19	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
20	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