Physics ICS Part 1 Chapter 10 Online Test

Sr	Questions	Answers Choice
1	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
2	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
3	The SI Unit of magnetic flux is.	A. Weber B. N m-1 C. N m A-1 D. Both a and c
4	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
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	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
7	What is induced when there is a relative motion between coil and the magnet.	A. Potential B. emf C. Flux D. Energy
8	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
9	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
10	The SI unit of magnetic induction or flux density is.	A. Tesla B. Gauss C. Ampere D. Weber
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	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
13	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
14	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

15	The work done by a magnetic field for revolving the chrged particle q in a circular path will be.	A. Fd B. Max C. Nagetive D. Zero
16	The unit of flux density is.	A. NA -1 m-1 B. NA m-1 C. N m A-2 D. Nm A
17	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
18	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
19	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
20	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