Physics ICS Part 1 Chapter 10 Online Test

Sr	Questions	Answers Choice
1	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
2	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
3	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
4	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
5	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
6	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
7	The unit of flux density is.	A. NA -1 m-1 B. NA m-1 C. N m A-2 D. Nm A
8	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
9	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
10	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
11	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
12	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
13	Total number of magnetic lines of foce passing normally through unit area is called.	A. Flux density B. Magnetism C. Flux D. Magnetic flux
14	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

15	The SI unit of magnetic induction or flux density is.	A. Tesla B. Gauss C. Ampere D. Weber
16	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
17	A moving charged particle is surrounded by	A. Electric field only B. Magnetic field only C. Both electric and magnetic field D. No field
18	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
19	Production of induced emf in a coil is linked with.	A. Nature of coil B. Shape of coil C. Flux through coil D. Chagn in flux through coil
20	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