

## Physics ICS Part 1 Chapter 10 Online Test

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Sr	Questions	Answers Choice
1	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
2	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
3	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
4	Total number of magnetic lines of foce passing normally through unit area is called.	A. Flux density B. Magnetism C. Flux D. Magnetic flux
5	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
6	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
7	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
8	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
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	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
11	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
12	Magnetic field is detected by	A. Ammeter B. Galvanometer C. Magnetic compass D. Avometer
13	The SI Unit of magnetic flux is.	A. Weber B. N m-1 C. N m A-1 D. Both a and c
		A. Law of conservation of

14	Lenz's law is consistent with	energy B. Law of conservation of charge C. Law of conservation of momentum D. Law of conservation of momentum Conservation of mass
15	The SI unit of magnetic induction or flux density is.	A. Tesla B. Gauss C. Ampere D. Weber
16	A moving charged particle is surrounded by	A. Electric field only B. Magnetic field only C. Both electric and magnetic field D. No field
17	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. Chocket
18	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
19	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
20	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