

## Physics ICS Part 1 Chapter 10 Online Test

Sr	Questions	Answers Choice
1	What is induced when there is a relative motion between coil and the magnet.	A. Potential  B. emf C. Flux D. Energy
2	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
3	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
4	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
5	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. 100 A
6	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
7	A changing magnetic field produces	A. Electric current B. Changing electric fiedl C. Magnetic field D. Conservative field
8	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
9	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
10	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
11	A moving charged particle is surrounded by	A. Electric field only B. Magnetic field only C. Both electric and magnetic field D. No field
12	Magnetic field is detected by	A. Ammeter B. Galvanometer C. Magnetic compass D. Avometer
13	The SI unit of magnetic induction or flux density is.	A. Tesla B. Gauss C. Ampere D. Weber
14	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
15	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 Induction C. Megnetic flux D. None of these
16	A 0.50 T field over an area of 2 m2 ehich lies at angle of 60 degree to the field, then the magnetic flux is.	A. 0.50 weber B. 0.866 weber C. 0.75 weber D. 4 weber
17	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
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	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	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