

## Physics Fsc Part 1 Chapter 10 Online Test

Sr	Questions	Answers Choice
1	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
2	A changing magnetic field produces	A. Electric current B. Changing electric fiedl C. Magnetic field D. Conservative field
3	Total number of magnetic lines of foce passing normally through unit area is called.	A. Flux density B. Magnetism C. Flux D. Magnetic flux
4	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
5	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
6	The unit of flux density is.	A. NA -1 m-1 B. NA m-1 C. N m A-2 D. Nm A
7	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
8	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
9	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
10	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
11	Lenz's law is consistent with	A. Law of conservation of energy B. Law of conservation of charge C. Law of conservation of momentum D. Law of conservation of mass
12	What is teh value of the current in a wire of 10 cm long of the right angle to a uniform	A. 1 A B. 100 A C. 10 A
	magentic field of 0.5 1weber/m2 when the force acting on the wire is 5 N?	D. 1000 A
13	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
		A. Magnetic flux

14	The value of the induced emf is directly proportional to the rate of change of.	<ul><li>b. Electric flux</li><li>C. Force</li><li>D. Work</li></ul>
15	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
16	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
17	Magnetic field is detected by	A. Ammeter B. Galvanometer C. Magnetic compass D. Avometer
18	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
19	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
20	Two free parallel straight wires carrying curreint int he same direction	A. Attract each other B. Repel each other C. D not affect each other D. Get rotated