Physics Fsc Part 1 Chapter 10 Online Test

Sr	Questions	Answers Choice
1	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
2	A moving charged particle is surrounded by	A. Electric field only B. Magnetic field only C. Both electric and magnetic field D. No field
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	A changing magnetic field produces	A. Electric current B. Changing electric fiedl C. Magnetic field D. Conservative field
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	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
7	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
8	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
9	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
10	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
11	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
12	Magnetic field is detected by	A. Ammeter B. Galvanometer C. Magnetic compass D. Avometer
13	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
14	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
15	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
16	Total number of magnetic lines of foce passing normally through unit area is called.	A. Flux density B. Magnetism C. Flux D. Magnetic flux
17	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
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	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
20	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