Physics Fsc Part 1 Chapter 10 Online Test

Sr	Questions	Answers Choice
1	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
2	The unit of flux density is.	A. NA -1 m-1 B. NA m-1 C. N m A-2 D. Nm A
3	The SI unit of magnetic induction or flux density is.	A. Tesla B. Gauss C. Ampere D. Weber
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 moving charged particle is surrounded by	A. Electric field only B. Magnetic field only C. Both electric and magnetic field D. No field
6	The unit NA-1 m-1 is called	A. Weber B. Tesla C. Coulomb D. None of these
7	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
8	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
9	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
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 SI Unit of magnetic flux is.	A. Weber B. N m-1 C. N m A-1 D. Both a and c
12	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
13	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
		A. Electric potential

14	The current produced when the conductor moes across a magnetic field is called	B. Electrosatic induction C. Electromagnetic induction D. Electric polarization
15	The value of the induced emf is directly proportional to the rate of change of.	A. Magnetic flux B. Electric flux C. Force D. Work
16	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
17	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
18	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
19	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
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