Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	Energy stored per uint volume inside a solenoid is called as	A. energy density B. Electric flux C. Work D. Volume charge density
2	To convert a galvanometer into an ammeter, we connect with it a	A. Shunt resistance B. Low value parallel C. Low value by pass resistor D. All of above
3	Two parallel wires carrying currents in the opposite direction.	A. Repel each other B. Attract each other C. Have no effect upon each other D. They cancel out their individual magnetic fields.
4	Magnetic flux density is measured in	A. Weber B. Weber/m2 C. Tesla -m D. Gauss
5	The sum of electric and magnetic force is called.	A. Maxwell force B. Lorentz force C. Newton's force D. Centripetal force
6	If a charge is at rest in a magnetic field then force on charge is	A. Zero B. Double C. One fourth D. Four times
7	A charged particle having charge 'q' is moving at right angle to magnetic field. The quantity which varies is.	A. Speed B. Kinetic energy C. Path of motion D. angular velocity
8	The vector sum of electric force and magnetic force is called:	A. Deflecting force B. Lorentz force C. Newton force D. Faraday's force
9	Galvanometer is sensitive when C/BAN is	A. zero B. Large C. small D. Negative
10	In order to increase sensitivity of galvanometer the value of C may be	A. Increase B. Decrease C. Neither increase nor decrease D. Remain same
11	Ampere's law is applicable to:	A. Circular path B. Rectangular path C. To any closed path D. Nonwe of these
12	The unit of magnetic induction is:	A. Tesla B. Weber C. Weber metre D. NAm⁻¹
13	The anodes in cathode ray oscilloscope.	A. Control number of waves B. Control brightness of sept formed C. Accelerate as well as focus beam D. Negative potential w.r.t to chithode
14	e/m=	A. v/Br B. Br/V C. VB/r D. Vr/B
15	The magnetic field inside solenoid is given:	A. μ_◦nI² B. μ_◦nI C. μ_◦n/1²

		D. μ_◦I/n
16	Current passing through the coil of galvanometer	A. CO/BAN B. CoN /BA C. NAB/CO D. AN/BCO
17	Torque is produced in a current carrying coil when it is placed in a	A. Magnetic field B. Electric field C. Gravitational field D. Nuclear field
18	The field is strong and uniform.	A. Inside the solenoid B. Surrounding of solenoid externally C. Perpendicular to solenoid D. All of above
19	In order to measure potential difference voltmeter is always connected in.	A. Series B. Parallel C. Both a and b D. Neither in series nor in parallel
20	Magnetism is related to:	A. Stationary charges B. Moving charges C. Stationary & Movingcharges D. Law of motion