

Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	A battery is used in	A. ohmmeter B. Ammeter C. Galvanometer D. Voltmeter
2	If the length and number of turns of a solenoid are doubled strength of magnetic field with.	A. Be doubled B. Become half C. Not change D. Be four time
3	A charged particle enters in a strong magnetic field its K.E.	A. Remain constant B. Increases C. Decreases D. Increases then decreases
4	Magnetic lines of force are.	A. Imaginary B. Real C. Perpendicular D. In phase with electric lines of force
5	The field is strong and uniform.	A. Inside the solenoid B. Surrounding of solenoid externally C. Perpendicular to solenoid D. All of above
6	Current passing through the coil of galvanometer	A. CO/BAN B. CoN/BA C. NAB/CO D. AN/BCO
7	Lorentz force means the force acting on a particle, which is	A. Magnetic force only B. Electric force only C. Sum of electric and magnetic force D. None of these
8	The permeability of free space is measured in	A. wb A/m B. Am/wb C. wb/Am D. m/wbA
9	The unit of magnetic induction B is	A. Coulomb B. Ampere C. Coulomb/ampere D. Weber/m ²
10	The galvanometer can be made sensitive by making the factor BAN/C	A. Large B. Small C. Constant D. Zero
11	$e/m =$	A. v/Br B. Br/V C. VB/r D. Vr/B
12	Magnetic induction can be measured in units of.	A. Tesla B. Gauss C. Weber/m ² D. All of the above
13	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
14	The unit of Magnetic flux is called.	A. weber B. weber/m ² C. Nm ⁻¹ A ⁻¹ D. None of above
15	The torque in the coil can be increased by increasing:	A. No. of turns B. Current and magnetic field C. Area of coil D. All of the above

16	If an electron is projected in a magnetic field with velocity V , it will experience a force	
17	Magnetic flux density is measured in	A. Weber B. Weber/m ² C. Tesla -m D. Gauss
18	Brightness of screen of CRO controlled by	A. Grid B. Filament C. Anode D. Cathode
19	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.
20	The brightness of the spot of CRO screen is controlled by.	A. Anode B. Cathode C. Grid D. Deflecting plates