

Physics ICS Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	Sensitivity of a galvanometer can be increased by	A. Decreasing the value of torsional couple B. Decreasing number of turns C. Decreasing area of plane of coil D. Decreasing magnetic field
2	When charge particle enter perpendicular to magnetic field, the path followed by it is:	A. A helix B. A circle C. Straight line D. Ellipes
3	A galvanometer is an electrical instrument used to	A. Measure resistance B. Measure voltage C. Detect passage of current D. None of these
4	A soft iron cylinder is placed inside coil galvanometer to:	A. Make field circular and strong B. Make field radial and weak C. Make field radial and strong D. All of above
5	A photon while passing thurgh a magnetic field are deflected towards:	A. North pole B. South pole C. Are ionized D. None of these
6	Cathode ray oscilloscope works by deflecting a beams	A. Neutrons B. Protons C. Electrons D. Positron
7	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
8	1 tesla =	A. $1 \text{ MA} \times 10^{-1}$ B. $1 \text{ NA} \times 10^{-1}$ C. $1 \text{ NA} \times 10^{-1} \text{ m} \times 10^{-1}$ D. None of above
9	The sum of electric and magnetic force is called.	A. Maxwell force B. Lorentz force C. Newton's force D. Centripetal force
10	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
11	Magnetic flux density is measured in	A. Weber B. Weber/m ² C. Tesla -m D. Gauss
12	The unit of Magnetic flux is called.	A. weber B. weber/m ² C. NM ⁻¹ A ⁻¹ D. None of above
13	In current carrying long solenoid the magnetic field produced does not depend upon.	A. The radius of solenoid B. Number of turns per unit length C. Current flowing through solenoid D. All of the above
14	For accurate measurement of current through a circuit, the resistance of ammeter should be	A. Very small B. Very high C. Neither small nor high D. None of the 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	When a charge is projected perpendicular to a uniform magnetic field, its path is	A. Spiral B. Helix C. Ellipse D. Circular
17	In current carrying long solenoid the magnetic field produced does not depend upon	A. The radius of solenoid B. Number of turns per unit length C. Current flowing through solenoid D. All of above
18	The force on a charge particle moving parallel to magnetic field is:	A. Maximum B. Minimum C. Zero D. None of these
19	To convert a galvanometer into a volt meter a high resistance is connected.	A. In series B. In parallel C. In perpendicular D. Along tangent
20	The unit of magnetic induction is:	A. Tesla B. Weber C. Weber metre D. NAm^{-1}