

Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	$e/m =$	A. v/Br B. Br/V C. VB/r D. Vr/B
3	Current passing through the coil of galvanometer	A. CO/BAN B. CoN/BA C. NAB/CO D. AN/BCO
4	A positive charge is moving towards an observer. The direction of magnetic induction will be.	A. Toward right B. Anti clockwise C. Clockwise D. Toward left
5	If the length and number of turns of a solenoid are doubled strength of magnetic field will.	A. Be doubled B. Become half C. Not change D. Be four times
6	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
7	A device used for detection of current is called.	A. Inductor B. Voltmeter C. Capacitor D. Galvanometer
8	$1 \text{ tesla} =$	A. 1 MAm^{-1} B. $1 \text{ NA}^{-1} \text{ m}$ C. $1 \text{ NA}^{-1} \text{ m}^2$ D. None of above
9	The value of e/m is smallest for	A. Proton B. Electron C. Beta particle D. Positron
10	The Grid 'G' in cathode ray oscilloscope.	A. Accelerate as well as focus electron beam B. Control no. of electrons beam C. Is at - Ve potential with respect to cathode. D. Both a and b
11	μ_0 (Ampere's constant) has value.	A. $4\pi \times 10^{-7} \text{ WbA}^{-1} \text{ m}^{-1}$ B. $4\pi \times 10^{-17} \text{ Wbm}^2$ C. $4\pi \times 10^7 \text{ WbA}^{-1} \text{ m}^{-1}$ D. $4\pi \times 10^{-27} \text{ Wb/m}^2$
12	Question Image	D. None of the above
13	If a low resistance is connected parallel to a galvanometer then galvanometer is converted.	A. Ammeter B. Voltmeter C. Ohmmeter D. Multimeter
14	When a charge is projected perpendicular to a uniform magnetic field, its path is	A. Spiral B. Helix C. Ellipse D. Circular
		A. Large

15	The galvanometer can be made sensitive by making the factor BAN/C	B. Small C. Constant D. Zero
16	Torque on a current carrying coil	A. $\tau = IBA \cos \theta$ B. $\tau = IBA \sin \theta$ C. $\tau = IBA \sin \alpha$ D. $\tau = ILB \cos \alpha$
17	The unit of magnetic induction is:	A. Tesla B. Weber C. Weber metre D. NAm^{-1}
18	Galvanometer is sensitive when C/BAN is	A. zero B. Large C. small D. Negative
19	The SI unit of magnetic induction 'B' Tesla is equal to.	A. $NA^{-1}m^{-1}$ B. Nam^{-1} C. $NA^{-1} m$ D. $Na2m^{-1}$
20	The sensitivity of galvanometer is given by	A. CAN/B B. C/BAN C. BAN/C D. BN/CA