

Physics ICS Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	The acceleration of an electron of mass m and charge e, moving with uniform speed v at right angles to a magnetic field of flux density B, is given by	D. Bevm
2	A charged particle enters in a strong magnetic field its K.E.	A. Remain constant B. Increases C. Decreases D. Increases then decreases
3	A dot represents the direction of magnetic field.	A. Out of page B. Into the page C. Tangent to page D. Parallels to page
4	Which one of the following resistance is used to convert a Galvanometer into an ammeter.	A. High resistance B. Low resistance in series with galvanometer C. Shunt D. High resistance in series with galvanometer
5	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
6	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
7	One weber is equal to:	A. N.A ² /m B. N.m ² /A C. N.A/m D. N.m/A
8	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
9	The magnetic flux will be max, For an angle of:	A. 0 ° B. 60 ° C. 90 ° D. 180 °
10	Useful device to measure resistance, current and voltage is an electronic instrument called.	A. Volt meter B. Ammeter C. Ohmmeter D. Digital Multimeter
11	CRO works by deflecting the beam of electron as they pass through	A. Uniform magnetic field B. Uniform electric field between two sets of parallel plates C. Non-uniform magnetic field D. None of these
12	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
13	Current passing through the coil of galvanometer	A. CO/BAN B. CoN /BA C. NAB/CO D. AN/BCO

14	The value of e/m is smallest for	A. Proton B. Electron C. Beta particle D. Positron
15	The magnetic field is uniform and stronger	A. Outside the solenoid B. Inside the solenoid C. At the central part of the solenoid D. None of these
16	Which one has the least resistance.	A. Galvanometer B. Ammeter C. Ohm meter D. Volta meter
17	Galvanometer is sensitive when C/BAN is	A. zero B. Large C. small D. Negative
18	A Current flowing towards the reader is denoted by.	A. Cross B. a bracket C. A dot D. Positive sign
19	The sensitivity of galvanometer directly depends upon	A. Magnetic field B. Area of coil C. Both a and b D. None of a, b, c
20	An electron moves at 2 x 10^2 m/sec perpendicular to magnetic field of 2T what is the magnitude of magnetic force:	A. 1 x 10 ⁻⁶ N B. 6.4 x 10 ⁻¹⁷ N C. 3.6 x 10 ⁻²⁴ N D. 4 x 10 ⁶ N