

Physics FSC 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	The SI unit of flux density is.	A. $NA^{-1} m^2$ B. $NA^{-1} m^{-1}$ C. $NA m^{-1}$ D. $NA^{-1} m$
3	A Current flowing towards the reader is denoted by.	A. Cross B. a bracket C. A dot D. Positive sign
4	If the length of solenoid is doubled but N same, B inside the solenoid becomes.	A. Half B. Doubled C. One fourth D. Four times
5	When charge particle enter perpendicular to magnetic field, the path followed by it is:	A. A helix B. A circle C. Straight line D. Ellipses
6	The SI unit of magnetic permeability is.	A. $WbA^{-1}m^{-1}$ B. Wbm^{-2} C. $WbmA^{-1}$ D. $WbAm^{-1}$
7	The unit of magnetic induction B is	A. Coulomb B. Ampere C. Coulomb/ampere D. $Weber/m^2$
8	Write the SI unit of magnetic flux.	A. Tesla B. Weber C. Weber m^{-2} D. Tesla m^2
9	Cathode ray oscilloscope works by deflecting a beams	A. Neutrons B. Protons C. Electrons D. Positron
10	The magnetic field inside solenoid is given:	A. $\mu_0 n I^2$ B. $\mu_0 n I$ C. $\mu_0 n^2 I$ D. $\mu_0 n I^2$
11	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
12	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
13	Weber is the unit of	A. Magnetic flux B. Permeability C. magnetic force D. None of above
14	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
15	If current flowing through a solenoid becomes four times, then magnetic field inside becomes.	A. two times B. three times C. four times D. Half

A. Increase the area of coil

16	The effective way to increase the sensitivity of moving coil galvanometer is.	B. Increase the number of turn C. Increase the magnetic field D. Increase the value of constant C
17	The magnetic flux will be max, For an angle of:	A. 0° B. 60° C. 90° D. 180°
18	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
19	If a low resistance is connected parallel to a galvanometer then galvanometer is converted.	A. Ammeter B. Voltammeter C. Ohmmeter D. Multimeter
20	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