

Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	Magnetic lines of force are.	A. Imaginary B. Real C. Perpendicular D. In phase with electric lines of force
2	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
3	Weber is the unit of	A. Magnetic flux B. Permeability C. magnetic force D. None of above
4	The value of e/m is smallest for	A. Proton B. Electron C. Beta particle D. Positron
5	The unit of permiability of free space is:	A. T.m/A B. T.m ² /A C. T.m/A ² D. None of these
6	The vector sum of electric force and magnetic force is called:	A. Deflecting force B. Lorentz force C. Newton force D. Faraday's force
7	The dimensions of magnetic flux are	A. M ¹ L ^{- 2} T ¹ A ¹ B. MLT ⁻² A ⁻¹ C. ML ² T ² A ^{- 1} D. ML ² T ^{T^{- 2}- 1}
8	The sum of electric and magnetic force is called.	A. Maxwell force B. Lorentz force C. Newton's force D. Centripetal force
9	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
10	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
11	The name of the scientist who noted that a compass needle was deflected when placed near the current carrying conductor	A. Henry B. Faraday C. Coloumb D. Oersted
12	The SI Unit of magnetic induction is.	A. Weber B. Tesla C. Gauss D. Newton
13	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
14	The force on a charge particle moving parallel to magnetic field is:	A. Maximum B. Minimum C. Zero D. None of these

15	The unit of magnetic induction is:	A. Iesla B. Weber C. Weber metre D. NAm ⁻¹
16	To convert a galvanometer into an ammeter, we connect with it a	A. Shunt resistanceB. Low value parallelC. Low value by pass resistorD. All of above
17	Brightness of screen of CRO controlled by	A. Grid B. Filament C. Anode D. Cathode
18	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
19	In CRO, the output waveform of time base generator is	A. Circular B. Square C. Sinusoidal D. Saw-toothed
20	The Weber is unit of measure of:	A. Conductance B. Electric current C. Magnitic flux D. Electric flux