

Physics ICS Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	Two parallel wires carrying currents in the opposite direction.	A. Repel each other B. Attract each other C. Have no effect upon each other D. They cancel out their individual magnetic fields.
2	Which one has the least resistance.	A. Galvanometer B. Ammeter C. Ohm meter D. Volta meter
3	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
4	The unit of Magnetic flux is called.	A. weber B. weber/m^2 C. $\text{NM}^{-1}\text{A}^{-1}$ D. None of above
5	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
6	When a charge is projected perpendicular to a uniform magnetic field, its path is	A. Spiral B. Helix C. Ellipse D. Circular
7	The unit of permability of free space is:	A. T.m/A B. $\text{T.m}^2/\text{A}$ C. T.m/A^2 D. None of these
8	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 d and b
9	Question Image	D. None of the above
10	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
11	An AVO meter can also be called as.	A. Digital multimeter B. Digital voltmeter C. Digital ammeter D. Digital ohm meter
12	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
13	Cathode ray oscilloscope works by deflecting a beam	A. Neutrons B. Protons C. Electrons D. Positron
14	An electron moves at 2×10^2 m/sec perpendicular to magnetic field of 2T what is the magnitude of magnetic force:	A. 1×10^{-6} N B. 6.4×10^{-17} N C. 3.6×10^{-24} N D. 4×10^6 N
15	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

16 The sum of electric and magnetic force is called.

A. Maxwell force
B. Lorentz force
C. Newton's force
D. Centripetal force

17 The SI unit of magnetic induction Tesla is equal to

A. N-1 Am
B. NA m2
C. NA-1n2
D. NA-1m-1

18 Ampere's law is applicable to:

A. Circular path
B. Rectangular path
C. To any closed path
D. Nonwe of these

19 Magnetism is related to:

A. Stationary charges
B. Moving charges
C. Stationary & Moving charges
D. Law of motion

20 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