

Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	Galvanometer is sensitive when C/BAN is	A. zero B. Large C. small D. Negative
2	A moving charge is surrounded by:	A. 2 Fields B. 3 Fields C. 4 Fields D. None of these
3	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
4	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
5	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
6	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
7	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 the above
8	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
9	The magnetic force is simply a	A. Reflecting force B. Deflecting force C. Restoring force D. Gravitational force
10	A device used for detection of current is called.	A. Inductor B. Voltmeter C. Capacitor D. Galvanometer
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 unit of magnetic induction B is	A. Coulomb B. Ampere C. Coulomb/ampere D. Weber/m ²
13	Magnetic induction can be measured in units of.	A. Tesla B. Gauss C. Weber/m ² D. All of the above
14	The sensitivity of galvanometer is given by	A. CAN/B B. C/BAN C. BAN/C D. BN/CA
		A. 0

15	Force on a charged particle is zero when projected at angle with magnetic field.	B. 90° C. 180° D. 270°
16	The e/m of a neutron is	A. Less than electron B. The same as electron C. Zero D. Greater than electron
17	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
18	For a current carrying solenoid the term 'n' has unit as.	A. No unit B. m^{-1} C. m^{-2} D. m^{-3}
19	For accurate measurement of current through a circuit, the resistance of ammeter should be	A. Very small B. Very high C. Neither small nor high D. None of the above
20	Brightness of screen of CRO controlled by	A. Grid B. Filament C. Anode D. Cathode