Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	The unit of magnetic induction is:	A. Tesla B. Weber C. Weber metre D. NAm⁻¹
3	Question Image	D. None of the above
4	The sensitivity of Galvanometer can be increased by:	A. Increasing C/BAN factor B. Decreasing C/BAN factor C. Increasing angle θ D. All of above
5	If the number of turns become double but length remain same, then magnetic field in the solenoid become.	A. Half B. Double C. Remain same D. Zero
6	The unit of magnetic induction B is	A. Coulomb B. Ampere C. Coulomb/ampere D. Weber/m²
7	The sum of electric and magnetic force is called.	A. Maxwell force B. Lorentz force C. Newton's force D. Centripetal force
8	The galvanometer can be made sensitive by making the factor BAN/C	A. Large B. Small C. Constant D. Zero
9	One weber is equal to:	A. N.A ²/m B. N.m²/A C. N.A/m D. N.m/A
10	The SI unit of magnetic permeability is.	A. WbA-1m-1 B. Wbm-2 C. WbmA-1 D. WbAm-1
11	Which one has the least resistance.	A. Galvanometer B. Ammeter C. Ohm meter D. Volta meter
12	The magnetic force is simply a	A. Reflecting force B. Deflecting force C. Restoring force D. Gravitational force
13	A photon while passing thorugh a magnetic field are deflected towards:	A. North pole B. South pole C. Are ionized D. None of these
14	For a current carrying solenoid the term 'n' has unit as.	A. No unit B. m⁻¹ C. m⁻² D. m-3
15	A current carrying conductor experience maximum magnetic force in a uniform magnetic field when it is placed.	A. Perpendicular to field B. Parallel to field C. At an angle of 60 ^o to the field D. None of these

16	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
17	The torque in the coil can be increased by increasing:	A. No. of turns B. Current and magnetic field C. Area of coil D. All of the above
18	In order to increase sensitivity of galvanometer the value of C may be	A. Increase B. Decrease C. Neither increase nor decrease D. Remain same
19	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 10⁶ N
20	Magnetic lines of force are.	A. Imaginary B. Real C. Perpendicular D. In phase with electric lines of force