Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	To convert a galvanometer into an ammeter, we connect with it a	A. Shunt resistance B. Low value parallel C. Low value by pass resistor D. All of above
2	The dimensions of magnetic flux are	A. M¹L⁻²T¹A¹ B. MLT⁻²A⁻¹ C. ML²T²A⁻¹ D. ML²T⁻²A⁻¹
3	The unit of magnetic induction is:	A. Tesla B. Weber C. Weber metre D. NAm⁻¹
4	The SI unit of magnetic induction Tesla is equal to	A. N-1 Am B. NA m2 C. NA-1n2 D. NA-1m-1
5	Which one has the least resistance.	A. Galvanometer B. Ammeter C. Ohm meter D. Volta meter
6	Magnetic induction can be measured in units of.	A. Tesla B. Gauss C. Weber/m2 D. All of the above
7	A photon while passing thorugh a magnetic field are deflected towards:	A. North pole B. South pole C. Are ionized D. None of these
8	Weber is the unit of	A. Magnetic flux B. Permeability C. magnetic force D. None of above
9	Torque on a current carrying coil	A. τ=IBA cos B. τ = ILB sinα C. τ = IBA sinα D. τ = ILBcosα
10	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
11	A voltmeter is always connected in	A. Parallel B. Series C. Perpendicular D. Straight line
12	Cathode ray oscilloscope works by deflecting a beams	A. Neutrons B. Protons C. Electrons D. Positron
13	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
14	Lorentz force means the force acting on a particle, which is	A. Magnetic force only B. Electric force only C. Sum of electric and magnetic force

		D. None of these
15	___ is correct relation.	A. IT = 10⁻⁴G B. IT = 10⁴ G C. IT = 10² G D. IT = 10⁻² G
16	The SI unit of magnetic permeability is.	A. WbA-1m-1 B. Wbm-2 C. WbmA-1 D. WbAm-1
17	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
18	The sensitivity of galvanometer is given by	A. CAN/B B. C/BAN C. BAN/C D. BN/CA
19	Ampere's law is applicable to:	A. Circular path B. Rectangular path C. To any closed path D. Nonwe of these
20	The magnetic field inside solenoid is given:	A. μ_◦nl² B. μ_◦nl C. μ_◦n/1² D. μ_◦l/n