Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	The function of three anodes a C.R.O is	A. To accelerate electrons only B. To focus the electrons only C. To control the brightness of spot on screen D. To accelerate and focus the electrons
2	The brightness of the spot of CRO screen is controlled by.	A. Anode B. Cathode C. Grid D. Deflecting plates
3	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.
4	The permeability of free space is measured in	A. wb A/m B. Am/wb C. wb/Am D. m/wbA
5	The unit of magnetic induction is:	A. Tesla B. Weber C. Weber metre D. NAm⁻¹
6	A positive charge is moving towards an observer, The direction of magnetic induction will be.	A. Toward right B. Anti clockwise C. Clockwise D. Toward left
7	The SI Unit of magnetic induction is.	A. Weber B. Tesla C. Gauss D. Newton
8	The unit of magnetic induction B is	A. Coulomb B. Ampere C. Coulomb/ampere D. Weber/m²
9	The anodes in cathode ray oscilloscope.	A. Control number of waves B. Control brightness of sept formed C. Accelerate as well as focus beam D. Negative potential w.r.t to chithode
10	One weber is equal to:	A. N.A ²/m B. N.m²/A C. N.A/m D. N.m/A
11	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
12	When a charge is projected perpendicular to a uniform magnetic field, tis path is	A. Spiral B. Helix C. Ellipse D. Circular
13	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
14	When charge particle enter perpendicular to magnetic field, the path followed by it is:	A. A helix B. A circle C. Straight line D. Ellipes
		A. 4πx10⁻⁷ WbA<sup>-

15	μ◦ (Ampere's constant) has value.	1</sup>m⁻¹ B. 4πx10⁻¹⁷ Wbm² C. 4πx10⁷ WbA⁻¹m⁻¹ D. 4πx10-27 Wb/m²
16	Torque on a current carrying coil	A. τ=lBA cos B. τ = lLB sinα C. τ = lBA sinα D. τ = lLBcosα
17	If an electron is prijected in a magnetic field with velocity V, it will experience a force	
18	The value of e/m is smallest for	A. Proton B. Electron C. Beta particle D. Positron
19	Force on a charged particle is zero when projected at angle with magnetic field.	A. 0 ^o B. 90^o C. 180^o D. 270^o
20	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