

Physics ICS Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	The SI unit of E is NC ⁻¹ and that of B is Na ⁻¹ m ⁻¹ then the unit of E/B is.	A. ms ⁻² B. ms C. ms ⁻¹ D. m ⁻¹ s ⁻¹
2	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
3	Galvanometer is sensitive when C/BAN is	A. zero B. Large C. small D. Negative
4	Torque on a current carrying coil	A. $\tau = IBA \cos \alpha$ B. $\tau = ILB \sin \alpha$ C. $\tau = IBA \sin \alpha$ D. $\tau = ILB \cos \alpha$
5	The galvanometer can be made sensitive by making the factor BAN/C	A. Large B. Small C. Constant D. Zero
6	When Ohm meter gives full scale deflection it indicates.	A. Zero resistance B. Infinite resistance C. Small resistance D. Very High resistance
7	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
8	The acceleration of an electron of mass m and charge e, moving with uniform speed v at right angles to a magnetic field of flux density B, is given by	D. Be/vm
9	Cathode ray oscilloscope works by deflecting a beams	A. Neutrons B. Protons C. Electrons D. Positron
10	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° to the field D. None of these
11	The brightness of the spot of CRO screen is controlled by.	A. Anode B. Cathode C. Grid D. Deflecting plates
12	The SI unit of magnetic permeability is.	A. WbA ⁻¹ m ⁻¹ B. Wbm ⁻² C. WbmA ⁻¹ D. WbAm ⁻¹
13	The Weber is unit of measure of:	A. Conductance B. Electric current C. Magnetic flux D. Electric flux
14	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
15	An ammeter is an electrical instrument which is used to measure	A. Voltage B. Current

15	A potentiometer is an electrical instrument which is used to measure.	C. Resistance D. None
16	A photon while passing through a magnetic field are deflected towards:	A. North pole B. South pole C. Are ionized D. None of these
17	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
18	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
19	The dimensions of magnetic flux are	A. $M^{1/2}L^{1/2}T^{-1}A^{-1}$ B. $MLT^{-2}A^{-1}$ C. $ML^2T^2A^{-1}$ D. $ML^2T^{-2}A^{-1}$
20	A sensitive galvanometer is	A. Unstable B. Stable C. Moderate D. Both B and C