

Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	The field is strong and uniform.	A. Inside the solenoid B. Surrounding of solenoid externally C. Perpendicular to solenoid D. All of above
2	μ_0 (Ampere's constant) has value.	A. $4\pi \times 10^{-7} \text{ Wb A}^{-1} \text{ m}^{-1}$ B. $4\pi \times 10^{-17} \text{ Wb m}^{-2}$ C. $4\pi \times 10^{-7} \text{ Wb A}^{-1} \text{ m}^{-1}$ D. $4\pi \times 10^{-27} \text{ Wb/m}^{-2}$
3	The unit of Magnetic flux is called.	A. weber B. weber/m ² C. NM ⁻¹ A ⁻¹ D. None of above
4	The conductor experience force, placed in magnetic above:	A. Move towards weaker part of field B. Move towards stronger part of field C. Remains at rest D. Move upwards in space
5	1 tesla =	A. 1 MA ⁻¹ B. 1NA ⁻¹ m C. 1NA ⁻¹ m ⁻¹ D. None of above
6	The unit of magnetic induction is:	A. Tesla B. Weber C. Weber metre D. NAM ⁻¹
7	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. $\frac{Bevm}{m}$
8	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
9	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
10	In CRO, the output waveform of time base generator is	A. Circular B. Square C. Sinusoidal D. Saw-toothed
11	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
12	Question Image	D. None of the above
13	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
14	If an electron is projected in a magnetic field with velocity V, it will experience a force	
15	The permeability of free space is measured in	A. wb A/m B. Am/wb C. wb/Am D. m/wbA
16	The magnetic field is uniform and stronger	A. Outside the solenoid B. Inside the solenoid C. At the central part of the solenoid

D. None of these

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The unit of magnetic induction B is

A. Coulomb

B. Ampere

C. Coulomb/ampere

D. Weber/m²