

Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	The name of the scientist who noted that a compass needle was deflected when placed near the current carrying conductor	A. Henry B. Faraday C. Coloumb D. Oersted
2	The unit of magnetic induction B is	A. Coulomb B. Ampere C. Coulomb/ampere D. Weber/m ²
3	The SI Unit of magnetic induction is.	A. Weber B. Tesla C. Gauss D. Newton
4	Write the SI unit of magnetic flux.	A. Tesla B. Weber C. Weber m ⁻² D. Tesla m ²
5	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
6	Magnetism is related to:	A. Stationary charges B. Moving charges C. Stationary & Moving charges D. Law of motion
7	A moving charge is surrounded by:	A. 2 Fields B. 3 Fields C. 4 Fields D. None of these
8	When charge particle enter perpendicular to magnetic field, the path followed by it is:	A. A helix B. A circle C. Straight line D. Ellipses
9	An electron moves at 2×10^2 m/sec perpendicular to magnetic field of 2T what is the magnitude of magnetic force:	A. 1×10^{-6} N B. 6.4×10^{-17} N C. 3.6×10^{-24} N D. 4×10^{-6} N
10	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
11	Cathode ray oscilloscope works by deflecting a beams	A. Neutrons B. Protons C. Electrons D. Positron
12	An ammeter is an electrical instrument which is used to measure.	A. Voltage B. Current C. Resistance D. None
13	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 cathode
14	One weber is equal to:	A. N A ² /m B. N m ² /A C. N A/m D. N m/A
15	Question Image	D. None of the above

A. $\mu_0 = 4\pi \times 10^{-7}$ T m/A

16	____ is correct relation.	B. $\mu = \frac{1}{\mu_0} \frac{4\pi}{\mu_0} G$ C. $\mu = \frac{1}{\mu_0} \frac{2\pi}{\mu_0} G$ D. $\mu = \frac{1}{\mu_0} \frac{-2\pi}{\mu_0} G$
17	In order to measure potential difference voltmeter is always connected in.	A. Series B. Parallel C. Both a and b D. Neither in series nor in parallel
18	When a charge is projected perpendicular to a uniform magnetic field, its path is	A. Spiral B. Helix C. Ellipse D. Circular
19	The SI unit of flux density is.	A. $\text{NA}^{-1} \text{m}^2$ B. $\text{NA}^{-1} \text{m}^{-1}$ C. $\text{NA} \text{m}^{-1}$ D. $\text{NA}^{-1} \text{m}$
20	Ampere's law is applicable to:	A. Circular path B. Rectangular path C. To any closed path D. None of these