

## Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	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 $60^\circ$ to the field D. None of these
2	The SI unit of magnetic induction 'B' Tesla is equal to.	A. $NA^{-1}m^{-1}$ B. $Nam^{-1}$ C. $NA^{-1}m$ D. $Na2m^{-1}$
3	The unit of magnetic induction B is	A. Coulomb B. Ampere C. Coulomb/ampere D. $Weber/m^2$
4	When a charge is projected perpendicular to a uniform magnetic field, its path is	A. Spiral B. Helix C. Ellipse D. Circular
5	The value of $e/m$ is smallest for	A. Proton B. Electron C. Beta particle D. Positron
6	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
7	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
8	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
9	The force on a charge particle moving parallel to magnetic field is:	A. Maximum B. Minimum C. Zero D. None of these
10	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 above
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	Magnetic flux density is measured in	A. Weber B. $Weber/m^2$ C. Tesla -m D. Gauss
13	A soft iron cylinder is placed inside coil galvanometer to:	A. Make field circular and strong B. Make field radial and weak C. Make field radial and strong D. All of above
14	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
15	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 above

D. All of the above

16 Magnetic induction can be measured in units of.

- A. Tesla
- B. Gauss
- C. Weber/m<sup>2</sup>
- D. All of the above

17 Energy stored per unit volume inside a solenoid is called as

- A. energy density
- B. Electric flux
- C. Work
- D. Volume charge density

18 Which one has the least resistance.

- A. Galvanometer
- B. Ammeter
- C. Ohm meter
- D. Volta meter

19 Galvanometer is sensitive when C/BAN is

- A. zero
- B. Large
- C. small
- D. Negative

20 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