

Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which one of the following resistance is used to convert a Galvanometer into an ammeter.	A. High resistance B. Low resistance in series with galvanometer C. Shunt D. High resistance in series with galvanometer
2	When a charge is projected perpendicular to a uniform magnetic field, its path is	A. Spiral B. Helix C. Ellipse D. Circular
3	A photon while passing through a magnetic field are deflected towards:	A. North pole B. South pole C. Are ionized D. None of these
4	For a current carrying solenoid the term 'n' has unit as.	A. No unit B. m^{-1} C. m^{-2} D. m^{-3}
5	Which one has the least resistance.	A. Galvanometer B. Ammeter C. Ohm meter D. Volta meter
6	Ampere's law is applicable to:	A. Circular path B. Rectangular path C. To any closed path D. None of these
7	Galvanometer is sensitive when C/BAN is	A. zero B. Large C. small D. Negative
8	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
9	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. Bev/m
10	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
11	If the number of turns become double but length remain same, then magnetic field in the solenoid become.	A. Half B. Double C. Remain same D. Zero
12	The SI unit of flux density is.	A. $NA^{-1} m^2$ B. $NA^{-1} m^{-1}$ C. $NA m^{-1}$ D. $NA^{-1} m$
13	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. Coulomb D. Oersted
14	The unit of permeability of free space is:	A. $T \cdot m/A$ B. $T \cdot m^{-2}/A$ C. $T \cdot m/A^{-2}$ D. None of these
15	In CRO, the output waveform of time base generator is	A. Circular B. Square C. Sinusoidal D. Sawtooth

16 Shunt resistance is

A. Low resistance
B. Zero resistance
C. High resistance
D. Impedance

17 The SI unit of magnetic induction Tesla is equal to

A. N-1 Am
B. NA m²
C. NA-1n²
D. NA-1m-1

18 Torque is produced in a current carrying coil when it is placed in a

A. Magnetic field
B. Electric field
C. Gravitational field
D. Nuclear field

19 Magnetism is related to:

A. Stationary charges
B. Moving charges
C. Stationary & Moving charges
D. Law of motion

20 If a low resistance is connected parallel to a galvanometer then galvanometer is converted.

A. Ammeter
B. Voltammeter
C. Ohmmeter
D. Multimeter
