

Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	Two parallel wires carrying currents in the opposite direction.	A. Repel each other B. Attract each other C. Have no effect upon each other D. They cancel out their individual magnetic fields.
2	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. $\frac{ev}{m}$
3	In CRO, the output waveform of time base generator is	A. Circular B. Square C. Sinusoidal D. Saw-toothed
4	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. $m^{-1}s^{-1}$
5	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
6	When a charge is projected perpendicular to a uniform magnetic field, its path is	A. Spiral B. Helix C. Ellipse D. Circular
7	Magnetic lines of force are.	A. Imaginary B. Real C. Perpendicular D. In phase with electric lines of force
8	A dot represents the direction of magnetic field.	A. Out of page B. Into the page C. Tangent to page D. Parallels to page
9	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
10	Write the SI unit of magnetic flux.	A. Tesla B. Weber C. Weber m^{-2} D. Tesla m^2
11	A moving charge is surrounded by:	A. 2 Fields B. 3 Fields C. 4 Fields D. None of these
12	A charged particle enters in a strong magnetic field its K.E.	A. Remain constant B. Increases C. Decreases D. Increases then decreases
13	Energy stored per unit volume inside a solenoid is called as	A. energy density B. Electric flux C. Work D. Volume charge density
14	An ammeter is an electrical instrument which is used to measure.	A. Voltage B. Current C. Resistance D. None
15	A battery is used in	A. ohmmeter B. Ammeter C. Galvanometer D. Voltmeter

16	The value of e/m is smallest for	A. Proton B. Electron C. Beta particle D. Positron
17	The sensitivity of Galvanometer can be increased by:	A. Increasing C/BAN factor B. Decreasing C/BAN factor C. Increasing angle θ D. All of above
18	A voltmeter is always connected in	A. Parallel B. Series C. Perpendicular D. Straight line
19	If an electron is projected in a magnetic field with velocity V , it will experience a force	
20	An AVO meter can also be called as.	A. Digital multimeter B. Digital voltmeter C. Digital ammeter D. Digital ohm meter