

Physics FSC Part 2 Chapter 14 Online MCQ's Test

| Sr | Questions | Answers Choice |
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| 1 | Force on a charged particle is zero when projected at angle with magnetic field. | A. 0 ^o B. 90 ^o C. 180 ^o D. 270 ^o |
| 2 | Current passing through the coil of galvanometer | A. CO/BAN B. CoN /BA C. NAB/CO D. AN/BCO |
| 3 | If current flowing through a solenoid becomes four times, then magnetic field inside becomes. | A. two times B. three times C. four times D. Half |
| 4 | The function of three anodes a C.R.O is | A. To accelerate electrons only B. To focus the electrons only C. To control the brightness of spot on screen D. To accelerate and focus the electrons |
| 5 | 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 |
| 6 | The field is strong and uniform. | A. Inside the solenoid B. Surrounding of solenoid externally C. Perpendicular to solenoid D. All of above |
| 7 | A battery is used in | A. ohmmeter B. Ammeter C. Galvanometer D. Voltmeter |
| 8 | 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. |
| 9 | 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 |
| 10 | The unit of magnetic induction is: | A. Tesla B. Weber C. Weber metre D. NAm ⁻¹ |
| 11 | The SI unit of magnetic permeability is. | A. WbA ⁻¹ m ⁻¹ B. Wbm ⁻² C. WbmA ⁻¹ D. WbAm ⁻¹ |
| 12 | 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 |
| 13 | In order to increase sensitivity of galvanometer the value of C may be | A. Increase B. Decrease C. Neither increase nor decrease D. Remain same |
| 14 | A device used for detection of current is called. | A. Inductor B. Voltmeter C. Capacitor D. Galvanometer |
| | | A. North pole |

| | | |
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| 15 | A photon while passing through a magnetic field is deflected towards: | B. South pole C. Are ionized D. None of these |
| 16 | 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 the above |
| 17 | ____ is correct relation. | A. $\mu I = 10^{-4} G$ B. $\mu I = 10^{-4} G$ C. $\mu I = 10^{-2} G$ D. $\mu I = 10^{-2} G$ |
| 18 | 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 |
| 19 | If the number of turns become double but length remain same, then magnetic field in the solenoid becomes. | A. Half B. Double C. Remain same D. Zero |
| 20 | The unit of permeability of free space is: | A. T.m/A B. $T.m^2/A$ C. $T.m/A^2$ D. None of these |