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

| Sr | Questions | Answers Choice |
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| 1 | A charged particle enters in a strong magnetic field its K.E. | A. Remain constant<br>B. Increases<br>C. Decreases<br>D. Increases then decreases |
| 2 | The SI unit of flux density is. | A. NA-1 m2<br>B. NA-1 m-1<br>C. NAm-1<br>D. NA-1 m |
| 3 | The brightness of the spot of CRO screen is controlled by. | A. Anode<br>B. Cathode<br>C. Grid<br>D. Deflecting plates |
| 4 | If an electron is prijected in a magnetic field with velocity V, it will experience a force | |
| 5 | To convert a galvanometer into an ammeter, we connect with it a | A. Shunt resistance<br>B. Low value parallel<br>C. Low value by pass resistor<br>D. All of above |
| 6 | If a low resistance is connected parallel to a galvanometer then galvanometer is converted. | A. Ammeter<br>B. Voltammeter<br>C. Ohmmeter<br>D. Multimeter |
| 7 | If a charge is at rest in a magnetic field then force on charge is | A. Zero<br>B. Double<br>C. One fourth<br>D. Four times |
| 8 | Magnetism is related to: | A. Stationary charges<br>B. Moving charges<br>C. Stationary & Movingcharges<br>D. Law of motion |
| 9 | The anodes in cathode ray oscilloscope. | A. Control number of waves<br>B. Control brightness of sept formed<br>C. Accelerate as well as focus beam<br>D. Negative potential w.r.t to chithode |
| 10 | When a charge is projected perpendicular to a uniform magnetic field, tis path is | A. Spiral<br>B. Helix<br>C. Ellipse<br>D. Circular |
| 11 | Magnetic flux density is measured in | A. Weber<br>B. Weber/m2<br>C. Tesla -m<br>D. Gauss |
| 12 | Current passing through the coil of galvanometer | A. CO/BAN<br>B. CoN /BA<br>C. NAB/CO<br>D. AN/BCO |
| 13 | If the length and number of turns of a solenoid are doubled strength of magnetic field with. | A. Be doubled<br>B. Become half<br>C. Not change<br>D. Be four time |
| 14 | A voltmeter is always connected in | A. Parallel<br>B. Series<br>C. Perpendicular<br>D. Straight line |
| 15 | An AVO meter can also be called as. | A. Digital multimeter<br>B. Digital voltmeter<br>C. Digital ammeter<br>D. Digital ohm meter |
| 16 | Torque on a current carrying coil | A. τ=IBA cos<br>B. τ = ILB |

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| 16 | Torque on a current carrying coil | sinα<br>C. τ = lBA sinα<br>D. τ = lLBcosα |
| 17 | The SI unit of magnetic permeability is. | A. WbA-1m-1<br>B. Wbm-2<br>C. WbmA-1<br>D. WbAm-1 |
| 18 | The force on a charge particle moving parallel to magnetic field is: | A. Maximum<br>B. Minimum<br>C. Zero<br>D. None of these |
| 19 | When charge particle enter perpendicular to magnetic field, the path followed by it is: | A. A helix<br>B. A circle<br>C. Straight line<br>D. Ellipes |
| 20 | Which one has the least resistance. | A. Galvanometer<br>B. Ammeter<br>C. Ohm meter<br>D. Volta meter |