# Physics ICS Part 1 Chapter 9 Online Test

| Sr | Questions | Answers Choice |
|---|---|---|
| 1 | Concept of field lines of force was introduced | A. Faraday <br>B. Coulomb <br>C. Franklin <br>D. Gauss |
| 2 | If the vector area is parallel to the field lies, then electric flux is. | A. A maximum <br>B. Infinite <br>C. Minimum <br>D. Remained the same |
| 3 | If chargeis mvoed against the electric field, it will gain | A. Potential energy <br>B. Kinetic energy <br>C. Electric potential energy <br>D. Mechanical energy |
| 4 | The sum of currents in various resistors meeting at a point of the circuit. | A. Equals to the total current <br>B. Exceed the totla current <br>C. Less than total current <br>D. None of above |
| 5 | Which electricla quantity has the same untis as electromotive force. | A. Current <br>B. Charge <br>C. Potential Difference <br>D. Power |
| 6 | A positive charge is placed at the center of sphere of radius r, then the electric flux depends upon | A. The radius of the sphere <br>B. Quantity of charge <br>C. The intensity of the electric field <br>D. All of the above |
| 7 | The redius of curvature of the path of a charged particle in a uniform magnetic field is directly proportiional to. | A. The particle's charge <br>B. The particle's momentum <br>C. The partcl's energy <br>D. The flux density of the field |
| 8 | A potentiometer can be used as to. | A. Determine E.M.F. of a cell <br>B. Campare e.em.f s. <br>C. measrue accurate value of current <br>D. All of above |
| 9 | 1.6 x 10-19 J is always equal to. | A. 1 farad <br>B. Electron volt <br>C. 1 coulomb <br>D. Coulomb |
| 10 | The algebraic sum of potential chagnes for a complete circuit is zero it is the statement of. | A. Ohm's law <br>B. Gausss'slaw <br>C. Kirchhoff's second law <br>D. Kirhhoff's first law |
| 11 | The electric field present inside ahollow charged sphere is. | A. Zero <br>B. Maximum <br>C. Constant <br>D. Variable |
| 12 | The Kirchhoff's 2nd rule is the manifestation of law of conservation of. | A. Energy <br>B. Mass <br>C. Momentum <br>D. Charge |
| 13 | Current Electricity is the branch of physics which deals with electric charges. | A. In motion  <br>B. At rest <br>C. Both a and b <br>D. None  |
| 14 | Flux passing through a closed surface does not depend upon | A. Geometry of surface <br>B. Medium <br>C. Charge <br>D. All |

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| 15 | Electron -vold is a unit of. | B. Energy <br>C. Potential <br>D. Capacitance <br>E. Electric intensity |
| 16 | To eliminate stray electric field interference, circuits of sensitive electonic devices are enclosed in. | A. Metal Box <br>B. Insulating box <br>C. Wooden box <br>D. None of these |
| 17 | Electric flux is a | A. Scalar Quantitiy <br>B. Vector Quantity <br>C. Base Quantity <br>D. None |
| 18 | A wheatstone bridge consts of .....resistors. | A. 3 <br>B. 4 <br>C. 2 <br>D. 5 |
| 19 | Unti of electric intensity is. | A. Vm-1 <br>B. NC-1 <br>C. Am-1 <br>D. Botha a and b |
| 20 | Two pont charges A and B are separated by 10 m. If the distance between tehm is reduced to 5 m. the force exerted on each. | A. Decrease to half its original value <br>B. Increase to twice the original value <br>C. Increase four times to its original value <br>D. Decreases to one quarer of its original value |