# Physics ICS Part 2 Chapter 12 Online MCQ's Test

| Sr | Questions | Answers Choice |
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| 1 | Concept of electric field lines was given by: | A. Michelson<br>B. Henry<br>C. Michael faraday<br>D. Oersted |
| 2 | The electrons in one coulomb change is equal to. | A. 1.6 x 10<sup>-19</sup><br>B. 2.25 x 10<sup>-19</sup><br>C. 6.25 x 10<sup>-18</sup><br>D. 6.25 x 10<sup>-19</sup> |
| 3 | Coulomb /volt is called. | A. Farad<br>B. Ampere<br>C. Joule<br>D. Henry |
| 4 | If a charged body is moved against the electric field it will gain. | A. P.E.<br>B. K.E.<br>C. Mechanical energy<br>D. Electrical potential energy |
| 5 | Net charge enclosed by Gaussian surface is: | A. zero<br>B. maximum<br>C. depend on intensity<br>D. none of all |
| 6 | One of the applications of electrostatic induction is | A. Laser<br>B. Photocopier<br>C. X ray machine<br>D. Wilson cloud chamber |
| 7 | The electrostatic force between two charges is 42 N, If we place a dielectric of $E_y$=2.1 between the charges then the force become equal to. | A. 42 N<br>B. 88.2 N<br>C. 20 N<br>D. 2 N |
| 8 | The electric field created by positive charge is: | A. Radially outward<br>B. Circular<br>C. Radially inward<br>D. Zero |
| 9 | A charge Q is divided into tweo parts q and Q-q and seperated by a distance R. The force of equilibrium between them will be maximum when: | A. q=Q/4<br>B. q=Q/2<br>C. q=Q<br>D. None of these |
| 10 | Which one is photo conductor. | A. Copper<br>B. Selenium<br>C. Mercury<br>D. Aluminium |
| 11 | Selenium is | A. Insulator is dark<br>B. Insulator in light<br>C. Conductor in dark<br>D. Semi conductor in dark |
| 12 | When some di electric is inserted between the plates of a capacitor, then capacitance. | A. Decreases<br>B. Increases<br>C. Becomes zero<br>D. Becomes infinity |
| 13 | Two parrallel, metal plates are a distance 8.00 m apart. The electric field between the plates in uniform, Directed toward the right , and has a magnitude of 4.00 N/C. If an ion of charge +2e is released at rest at the left-hand plate. What is its kinetic energy when reaches the right-hand plate? | A. 4 eV<br>B. 64 eV<br>C. 32 eV<br>D. 16 eV |
| 14 | The process of copying is: | A. Axillugraphy <br>B. Chromatography<br>C. Xerography<br>D. Spectrography |
| 15 | Presence of dielectric between two charges always. | A. Reduces the electric force<br>B. Enhance the electric force<br>C. Does not effect electric force<br>D. Double the electric force |

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| 16 | Closeness of the electric field lines is the measure of. | A. Direction of field<br>B. Strength of field<br>C. Potential difference<br>D. Uniformity of field |
| 17 | Which one of the following is correct | A. <br><br>D. All of above |
| 18 | The product of resistance and capacitanc eis. | A. Velocity<br>B. Force<br>C. Acceleration<br>D. Time |
| 19 | Some charge is being given to a conductor. Then its potencial | A. Its maximum at surface<br>B. Its maximum at Its maximum at center<br>C. Is remain same throughout the conductor<br>D. Is maximum somewhere between surface and centre |
| 20 | Charge carriers in electrolytes are. | A. Protons<br>B. Electrons<br>C. Holes<br>D. Positive and Negative ions |