Physics ICS Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	If a charge body moved against the electric field it will again	A. Potential energy B. K.E C. Mechanical Energy D. Electric potential energy
2	The electrons in one coulomb change is equal to.	A. 1.6 x 10⁻¹⁹ B. 2.25 x 10⁻¹⁹ C. 6.25 x 10⁻¹⁸ D. 6.25 x 10⁻¹⁹
3	The toner of printer is given	A. Positive charge B. Negative charge C. Neutral D. First positive then negative
4	Net charge enclosed by Gaussian surface is:	A. zero B. maximum C. depend on intensity D. none of all
5	Concept of the electric field lines is introduced by	A. Coulomb B. Faraday C. Einstein D. Joseph henry
6	Gauss's law can only be applied to.	A. A curved surface B. A flat surface C. A closed surface D. A surface of any shape
7	Two opposite point charge of same magnitude separated by distance 2d, electric potential mid way between them is.	A. 1 V B. 2 V C. Zero D. V/2
8	If the distance between two charges is halved and charges are also doubled, then force between them will be.	A. Two time B. Four time C. Eight time D. Sixteen time
9	if time constant in RC series circuit is small, then capacitor is charged or discharged.	A. Slowly B. Rapidly C. At constant rate D. Intermittently
10	The number of electrons in one coulomb charge is equal to	A. 6.2 x 10¹⁸ electrons B. Zero electrons C. 1.6 x 10⁻²² electrons D. 6.2 x 10²¹ electrons
11	the force between two charge is 28 N. If paraffin wax of relative permittivity 2.8 is introduced between the charges as medium, then the force reduces to.	A. 25 N B. 20 N C. 10 N D. 15 N
12	NC-1 is the SI unit is	A. Force B. Charge C. Current D. Electric intensity
13	Selenium is	A. Insulator is dark B. Insulator in light C. Conductor in dark D. Semi conductor in dark
14	The work done is bringing a unit positive charge from infinity to that point in an electric field is called.	A. Potential B. Potential difference C. Absolute potential D. All of these
15	When the medium is insulator the elecrostatic force between the charges is	A. Decreased B. Zero C. Increased D. None of above

16	Dielectric constant ε_r for air is:	A. 1 B. 1.006 C. 1.0002 D. 1.0006
17	A charge on 4 coulomb is in the field of intensity 4N/C the force on the charge is.	A. Uniform B. Non uniform C. Weak D. Strong
18	An electric field cannot deflect	A. X-rays B. a-particles C. ß-particles D. None of these
19	The relative permitivity of air is	A. 79.5 B. 1.006 C. 1.06 D. 1.0006
20	Charge carriers in electrolytes are.	A. Protons B. Electrons C. Holes D. Positive and Negative ions