

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

Sr	Questions	Answers Choice
1	The electric flux through closed surface depends upon	A. Charge B. Medium C. Geometry D. <b>Charge and Medium</b>
2	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 B. 88.2 N C. <b>20 N</b> D. 2 N
3	The electric field created by positive charge is:	A. <b>Radially outward</b> B. Circular C. Radially inward D. Zero
4	The number of electrons in one coulomb charge is equal to	A. <b><math>6.2 \times 10^{18}</math> electrons</b> B. Zero electrons C. $1.6 \times 10^{22}$ electrons D. $6.2 \times 10^{21}$ electrons
5	If the medium between the charges is not free space then electrostatic force will be	A. Increase B. <b>Decrease</b> C. Remain same D. None of these
6	The product of resistance and capacitance is.	A. Velocity B. Force C. Acceleration D. <b>Time</b>
7	Total flux through a closed surface depends on.	A. Shape of surface B. Medium only C. Charge enclosed only D. <b>Charge and Medium</b>
8	Selenium is	A. <b>Insulator is dark</b> B. Insulator in light C. Conductor in dark D. Semi conductor in dark
9	In Millikan's oil drop experiment a charged particle of mass 'm' is in equilibrium in an oil will	A. Zero B. $g/2$ C. g D. <b>2g</b>
10	Electric flux is a:	A. <b>Scalar quantity</b> B. Vector quantity C. Variable quantity D. None of these
11	Electric intensity due to an infinite sheet of charge is:	A. $\frac{\sigma}{2\epsilon_0}$ B. $\frac{\sigma}{\epsilon_0}$ C. <b><math>\frac{\sigma}{2\epsilon_0}</math></b> D. none of these
12	The relative permittivity of air is	A. 79.5 B. 1.006 C. 1.06 D. <b>1.0006</b>
13	One electron volt is equal to.	A. <b><math>1.6 \times 10^{-19}</math> Joule</b> B. $1.6 \times 10^{-19}$ Coulomb C. $1.6 \times 10^{-12}$ N D. $1.6 \times 10^{18}$ Joule
14	A charge on 4 coulomb is in the field of intensity 4N/C the force on the charge is.	A. <b>Uniform</b> B. Non uniform C. Weak D. Strong
15	Intensity of field inside a hollow charged sphere will be.	A. Negative B. Unaffected C. <b>Zero</b> D. Maximum

16	Farad is defined as	A. "Coulomb/Volt B. Ampere /Volt C. Coulomb /Joule D. Volt/Coulomb
17	For which material medium, force between two charged particles is maximum.	A. Ammonia B. Germanium C. Mica D. Teflon
18	Closeness of the electric field lines is the measure of.	A. Direction of field B. Strength of field C. Potential difference D. Uniformity of field
19	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
20	One joule is equal to.	A. $1.6 \times 10^{19}$ eV B. $1.6 \times 10^{-19}$ eV C. $6.25 \times 10^{-18}$ eV D. $6.25 \times 10^{18}$ eV