

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

Sr	Questions	Answers Choice
1	Which material should be inserted between the plates of a capacitor in order to increase its capacitance.	A. Copper B. Mica C. Iron D. Tin
2	NC-1 is the SI unit is	A. Force B. Charge C. Current D. Electric intensity
3	The electric field created by positive charge is	A. Radially inward B. Zero C. Circular D. Radially outward
4	In photocopier, then drum is coated with layer of.	A. Aluminium B. Copper C. Selenium D. silver
5	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
6	The number of lines per unit area passing perpendicular through an area is called	A. Flux B. Electric intensity C. Both (a) , (b) D. None of these
7	Net charge enclosed by Gaussian surface is:	A. zero B. maximum C. depend on intensity D. none of all
8	Selenium is	A. Insulator is dark B. Insulator in light C. Conductor in dark D. Semi conductor in dark
9	Presence of dielectric between two charges always.	A. Reduces the electric force B. Enhance the electric force C. Does not effect electric force D. Double the electric force
10	A charge on 4 coulomb is in the field of intensity 4NC the force on the charge is.	A. Uniform B. Non uniform C. Weak D. Strong
11	The negative of the potential gradient is	A. Electrostatic force B. Electromotive force C. Potential difference D. Electric field intensity
12	If $F_1$ and $F_2$ are the magnetic forces acting on a particle and electron respectively when moving perpendicular to the magnetic field then.	A. $F_1 = F_2$ B. $F_1 > F_2$ C. $F_1 < F_2$ D. $F_1 = 4F_2$
13	When the medium is insulator the electrostatic force between the charges is	A. Decreased B. Zero C. Increased D. None of above
14	One of the applications of electrostatic induction is	A. Laser B. Photocopier C. X ray machine D. Wilson cloud chamber
15	Electric intensity due to an infinite sheet of charge is:	A. $\frac{\partial}{2\epsilon}$ B. $\frac{\partial}{r\epsilon}$ C. $\frac{\partial}{r2\epsilon}$ D. none of these

16	Electric potencial of earth is taken to be zero because the earth is good:	A. Semiconductor B. Conductor C. Insulator D. Dielectric
17	A capacitor is charged with a battery and then it is disconnected. A slab of dielectric is now inserted between the plates, Then	A. The charge in the plates reduces and potencial difference increase B. Potencial difference between the plates increase, stored energy decreases and charge remains the same C. Potencial difference between the plates decreases, stored energy decreases and charge remains unchanged D. None of them
18	If the separation between the plates of a capacitor is doubled then its capacitance become.	A. Double B. Half C. One fourth D. Three times
19	Presence of dielectric always.	A. Increase the electrostatic force B. Reduces the electrostatic force C. Do not effect electrostatic force D. Doubles the electrostatic force
20	The process of copying is:	A. Axillugraphy&nbsp;nbsp; B. Chromatography C. Xerography D. Spectrography