

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

Sr	Questions	Answers Choice
1	Total flux through a closed surface depends on.	A. Shape of surface B. Medium only C. Charge enclosed only D. Charge and Medium
2	The electric intensity at infinite distance from the point charge is	A. Infinite B. Zero C. Positive D. Negative
3	The electric field created by positive charge is	A. Radially inward B. Zero C. Circular D. Radially outward
4	If both the magnitude of charges and distance between them is doubled, then coulomb's force will be.	A. Doubled B. Half C. Remain same D. One fourth
5	The relative permittivity of air is	A. 79.5 B. 1.006 C. 1.06 D. 1.0006
6	Identify the practical application of electrostatic force.	A. Inkjet printer B. x rays C. Laser D. A.C. Generator
7	The absolute electric potential at a point distance 20 cm from a charge of 2 $\mu\text{C}$ is.	A. $9 \times 10^{22} \text{ V}$ B. $9 \times 10^{33} \text{ V}$ C. $9 \times 10^{44} \text{ V}$ D. $9 \times 10^{55} \text{ V}$
8	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
9	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
10	The net charge on a capacitor magnitude of charge of charge	A. Infinity B. $2q$ C. $Q/2$ D. Zero
11	In photocopier, then drum is coated with layer of.	A. Aluminium B. Copper C. Selenium D. silver
12	Selenium is	A. Insulator is dark B. Insulator in light C. Conductor in dark D. Semi conductor in dark
13	The electrical intensity is equal to:	A. $-\Delta r/\Delta v$ B. $\Delta v/\Delta r$ C. $\Delta v/\Delta v$ D. $-\Delta v/\Delta r$
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	If the distance between the two charged bodies is halved, the force between them becomes.	A. Double B. Half C. Four times D. One times

16	The product of resistance and capacitance is.	A. Velocity B. Force C. Acceleration D. Time
17	Due to polarization, electric field E.	A. Increase B. Decrease C. First increases then decreases D. Remain same
18	Electric field intensity at a point is defined by the relation.	A. $E = q/F$ B. $E = F/q$ C. $E = qF$ D. $E = F/q^2$
19	The photo copying process is called	A. Xerography B. Inkjet Printer C. Both (a) and (b) D. None of these
20	The electric field in some region of space is uniform in magnitude and direction. Which one of the following five statements best describes the volume charge density ( $\rho$ ), in this region of space?	A. $\rho = 0$ B. $\rho$ decreases linearly in the direction of the electric field C. $\rho$ increases linearly in the direction of the electric field D. $\rho$ has a uniform value throughout the region E. $\rho$ is not defined