

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

Sr	Questions	Answers Choice
1	The electric field created by positive charge is	A. Radially inward B. Zero C. Circular D. Radially outward
2	The product of resistance and capacitance is.	A. Velocity B. Force C. Acceleration D. Time
3	Capacitance of a capacitor does not depend upon.	A. Distance between plates B. Area of plates C. Electric field between plates D. Medium between plates
4	Coulomb's force is:	A. Conservative force B. None conservative force C. Similar to frictional force D. None of the above
5	The negative of the potential gradient is	A. Electrostatic force B. Electromotive force C. Potential difference D. Electric field intensity
6	The absolute electric potential at a point distance 20 cm from a charge of 2 $\mu\text{C}$ is.	A. $9 \times 10^2 \text{ V}$ B. $9 \times 10^3 \text{ V}$ C. $9 \times 10^4 \text{ V}$ D. $9 \times 10^5 \text{ V}$
7	The middle region of electric field is:	A. Maximum field spot B. Zero field spot C. Perpendicular field spot D. All of above
8	Dielectric constant $\epsilon_r$ for air is:	A. 1 B. 1.006 C. 1.0002 D. 1.0006
9	When the medium is insulator the electrostatic force between the charges is	A. Decreased B. Zero C. Increased D. None of above
10	If a charged body is moved against the electric field it will gain.	A. P.E. B. K.E. C. Mechanical energy D. Electrical potential energy
11	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
12	Identify the practical application of electrostatic force.	A. Inkjet printer B. x rays C. Laser D. A.C. Generator
13	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
14	The total flux through a closed surface.	A. Directly proportional to shape and geometry B. Independent of medium C. Depend on shape and geometry D. Dependent on medium and the charge enclosed
15	The "toner" of photocopier is given:	A. Positive charge B. Negative charge C. ... D. ...

		C. Remains neutral D. All of above
16	Due to polarization, electric field E.	A. Increase B. Decrease C. First increases then decreases D. Remain same
17	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
18	Force per unit charge is called:	A. Gravitational force B. Electric field intensity C. Coulomb's force D. None of these
19	The electrical intensity is equal to:	A. $-\Delta r/\Delta v$ B. $\Delta v/\Delta r$ C. $\Delta v/\Delta v$ D. $-\Delta v/\Delta r$
20	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