

Physics ICS Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	A charge Q is divided into two parts q and Q-q and separated by a distance R. The force of equilibrium between them will be maximum when:	A. $q=Q/4$ B. $q=Q/2$ C. $q=Q$ D. None of these
2	When the medium is insulator the electrostatic force between the charges is	A. Decreased B. Zero C. Increased D. None of above
3	The electric intensity at infinite distance from the point charge is	A. Infinite B. Zero C. Positive D. Negative
4	The electric field lines are closer where the field is	A. Strong B. Weak C. Uniform D. Variable
5	Electric flux is a	A. Vector quantity B. Scalar quantity C. Both (a) and (b) D. None of above
6	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
7	Selenium is a	A. Insulator B. Photoconductor C. Conductor D. First insulator then conductor
8	Intensity of field inside a hollow charged sphere will be.	A. Negative B. Unaffected C. Zero D. Maximum
9	The force of Neutron due to field of 10^2 N/C is.	A. $1.6 \times 10^{-17} \text{ N}$ B. $1.6 \times 10^{-19} \text{ N}$ C. Zero D. $1.6 \times 10^{-21} \text{ N}$
10	Total flux through a closed surface depends on.	A. Shape of surface B. Medium only C. Charge enclosed only D. Charge and Medium
11	The product of resistance and capacitance is.	A. Velocity B. Force C. Acceleration D. Time
12	When some dielectric is inserted between the plates of a capacitor, then capacitance.	A. Decreases B. Increases C. Becomes zero D. Becomes infinity
13	Electric potential of earth is taken to be zero because the earth is good:	A. Semiconductor B. Conductor C. Insulator D. Dielectric
14	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
15	The "toner" of photocopier is given:	A. Positive charge B. Negative charge C. Remains neutral D. All of above

16	Identify the practical application of electrostatic force.	A. Inkjet printer B. x rays C. Laser D. A.C. Generator
17	Electron volt is the unit of.	A. Potential B. Potential difference C. Electric current D. Electric energy
18	If a charge body moved against the electric field it will gain	A. Potential energy B. K.E C. Mechanical Energy D. Electric potential energy
19	The electric flux through closed surface depends upon	A. Charge B. Medium C. Geometry D. Charge and Medium
20	Drum of photocopier is made of.	A. Copper B. Aluminum C. Nickel D. Cobalt