

## Physics FSC 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	The amount of energy equal to $1.6 \times 10^{-18}$ J is called.	A. One volt B. One milli volt C. One electron volt D. One mega electron volt
3	The SI unit of relative permittivity is.	A. $Fm^{-1}$ B. $C^2N^{-1}m^{-2}$ C. $Nm^2C^{-2}$ D. No unit
4	Drum of photocopier is made of.	A. Copper B. Aluminum C. Nickel D. Cobalt
5	When the medium is insulator the electrostatic force between the charges is	A. Decreased B. Zero C. Increased D. None of above
6	the force between two charge is 28 N. If paraffin wax of relative permittivity 2.8 is introduced between the charges as medium, then the force reduces to.	A. 25 N B. 20 N C. 10 N D. 15 N
7	The electric intensity at infinite distance from the point charge is	A. Infinite B. Zero C. Positive D. Negative
8	Concept of the electric field lines is introduced by	A. Coulomb B. Faraday C. Einstein D. Joseph henry
9	If the distance between two charges is halved and charges are also doubled, then force between them will be.	A. Two time B. Four time C. Eight time D. Sixteen time
10	A charge on 4 coulomb is in the field of intensity $4N/C$ the force on the charge is.	A. Uniform B. Non uniform C. Weak D. Strong
11	The relative permitivity of air is	A. 79.5 B. 1.006 C. 1.06 D. 1.0006
12	The middle region of electric field is:	A. Maximum field spot B. Zero field spot C. Perpendicular field spot D. All of above
13	Charge on electron is	A. $1.6 \times 10^{-19} C$ B. $1.6 \times 10^{-19} C$ C. $1.6 \times 10^{-17} C$ D. $1.6 \times 10^{-17} C$
14	The number of electrons in one coulomb charge is equal to	A. $6.2 \times 10^{18}$ electrons B. Zero electrons C. $1.6 \times 10^{-22}$ electrons D. $6.2 \times 10^{21}$ electrons
15	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

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16	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 <b>C. 20 N</b> D. 2 N
17	Photo copier and inkjet printer are the applications of	A. Magnetism B. Electricity C. Electro magnetism <b>D. Electrostatics</b>
18	Some charge is being given to a conductor. Then its potential	A. Its maximum at surface B. Its maximum at its maximum at center <b>C. Is remain same throughout the conductor</b> D. Is maximum somewhere between surface and centre
19	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>B. <math>q=Q/2</math></b> C. $q=Q$ D. None of these
20	One of the applications of electrostatic induction is	A. Laser <b>B. Photocopier</b> C. X ray machine D. Wilson cloud chamber

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