

Physics FSC Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	The net charge on a capacitor magnitude of charge of charge	A. Infinity B. $2q$ C. $Q/2$ D. Zero
2	The negative of the potential gradient is	A. Electrostatic force B. Electromotive force C. Potential difference D. Electric field intensity
3	Drum of photocopier is made of.	A. Copper B. Aluminum C. Nickel D. Cobalt
4	For computation of electric flux, the surface area should be.	A. Parallel B. Flat C. Curved D. Spherical
5	Electric intensity due to an infinite sheet of charge is:	A. $\frac{\sigma}{2\epsilon_0}$ B. $\frac{\sigma}{\epsilon_0}$ C. $\frac{\sigma}{r2\epsilon_0}$ D. none of these
6	The relative permittivity of air is	A. 79.5 B. 1.006 C. 1.06 D. 1.0006
7	Metals are good conductors of electricity because they have	A. Large number of bounded electrons B. Small number of electrons C. Large number of free electrons D. Small number of free electrons
8	The toner of printer is given	A. Positive charge B. Negative charge C. Neutral D. First positive then negative
9	If the potential difference across two plates of capacitor is doubled, then energy stored in it will be.	A. Two times B. Eight times C. Four times D. Remain same
10	A capacitor is perfect in insulator for.	A. Alternating current B. Sparking current C. Eddy current D. Direct current
11	Electric flux is a:	A. Scalar quantity B. Vector quantity C. Variable quantity D. None of these
12	Electric flux is a	A. Vector quantity B. Scalar quantity C. Both (a) and (b) D. None of above
13	A one microfarad capacitor of a TV is subjected to 4000 V potential difference. The energy stored in capacitor is:	A. 8 j B. 16 j C. 4×10^{-3} j D. 2×10^{-3} j
14	Two parallel, metal plates are a distance 8.00 m apart. The electric field between the plates is uniform, Directed toward the right, and has a magnitude of 4.00 N/C. If an ion of charge $+2e$ is released at rest at the left-hand plate. What is its kinetic energy when reaches the right-hand plate?	A. 4 eV B. 64 eV C. 32 eV D. 16 eV
15	The product of resistance and capacitance is.	A. Velocity B. Force C. Acceleration D. Time

D. Time

16	Some charge is being given to a conductor. Then its potential	A. Its maximum at surface B. Its maximum at Its maximum at center C. Is remain same throughout the conductor D. Is maximum somewhere between surface and centre
17	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
18	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
19	The electric field created by positive charge is	A. Radially inward B. Zero C. Circular D. Radially outward
20	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