Physics FSC Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	The electric field in some region of of space is uniform in magnitude and direction. Which one of the following five statements best desccribes the volume charge density (ρ) , in this region of space?	A. ρ = 0 B. ρ decreases linearly in the direction of the electric field C. ρ increases linearly in the direction of the electric field D. ρ has a uniform value throughout the region E.
2	In photocopier, then drum is coated with layer of.	A. Aluminium B. Copper C. Selenium D. silver
3	S.I unit of strength of electric field is	A. J/C B. C/V C. V/C D. N/C
4	When some di electric is inserted between the plates of a capacitor, then capacitance.	A. Decreases B. Increases C. Becomes zero D. Becomes infinity
5	The net charge on a capacitor magnitude of charge of charge	A. Infinity B. 2 q C. Q/2 D. Zero
6	The number of electrons in one coulomb charge is equal to	A. 6.2 x 10¹⁸ electrons B. Zero electrons C. 1.6 x 10⁻²² electrons D. 6.2 x 10²¹ electrons
7	Due to polarization, electric field E.	A. Increase B. Decrease C. First increases then decreases D. Remain same
8	Intensity of field inside a hollow charged sphere will be.	A. Negative B. Unaffected C. Zero D. Maximum
9	If a charge body moved against the electric field it will again	A. Potential energy B. K.E C. Mechanical Energy D. Electric potential energy
10	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
11	The electric field lines are closer where the field is	A. Strong B. Weak C. Uniform D. Variable
12	Two parrallel, metal plates are a distance 8.00 m apart. The electric field between the plates in 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
		A. P.E.

13	If a charged body is moved against the electric field it will gain.	B. K.E. C. Mechanical energy D. Electrical potential energy
14	The electric intensity at infinite distance from the point charge is	A. Infinite B. Zero C. Positive D. Negative
15	The electric flux through closed surface depends upon	A. Charge B. Medium C. Geometry D. Charge and Medium
16	The photo copying process is called	A. Xerography B. Inkjet Printer C. Both (a) and (b) D. None of these
17	If the separation between the plates of a capacitor is doubled then its capacitance become.	A. Double B. Half C. One fourth D. Three times
18	A one microfarad capacitor of a TV is subjected to 4000 V potencial difference.The energy stored in capacitor is:	A. 8 j B. 16 j C. 4 x 10⁻³j D. 2 x 10⁻³j
19	Farad is defined as	A. "Coulomb/Volt B. Ampere /Volt C. Coulomb /Joule D. Volt/Coulomb
20	Electric intensity due to an infinite sheet of charge is:	A. ∂/2ε_◦ B. ∂/rε_◦ C. ∂/r2ε_◦ D. none of these