Physics FSC Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	Flux through any closed surface is:	A. $1/\varepsilon^2{}_\circ$ times the total charge enclosed in it B. $\varepsilon^2{}_\circ$ time the total charge enclosed in it C. $1/\varepsilon_\circ$ ties the total charge enclosed in ti D. $\varepsilon_\circ$ time the total charge enclosed in it
2	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
3	The electric flux through closed surface depends upon	A. Charge B. Medium C. Geometry D. Charge and Medium
4	The number of lines per unit area passing perpendicular through an area is called	A. Flux B. Electric intensity C. Both (a) , (b) D. None of these
5	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 C. 20 N D. 2 N
6	The electric field created by positive charge is:	A. Radially outward B. Circular C. Radially inward D. Zero
7	The fact that electric field exist in space around an electrical charge is	A. Electrical property B. Gravitational property C. Intrinsic property of nature D. Extrinsic property of nature
8	The SI unit of relative permittivity is.	A. Fm-1 B. C2N-1m-2 C. Nm2C-2 D. No unit
9	A capacitor is perfect in insulator for.	A. Alternating current B. Sparking current C. Eddy current D. Direct current
10	The electrical intensity is equal to:	A. $-\Delta r/\Delta v$ B. $\Delta v/\Delta r$ C. $\Delta v/\Delta v$ D. $-\Delta v/\Delta r$
11	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
12	Selenium is	A. Insulator is dark B. Insulator in light C. Conductor in dark D. Semi conductor in dark
13	If F1 and F2 are teh magnetic forces acting on a particle and electron respectively when moving perpendicular to the magnetic field then.	A. F1=F2 B. F1>F2 C. F1<F2 D. F1 = 4F2
14	An electric field cannot deflect	A. X-rays B. a-particles C. ß-particles D. None of these

15	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. 4×10^{-3} j D. 2×10^{-3} j
16	Electric field intensity at a point is defined by the relation.	A. $E = q/F$ B. $E = F/q$ C. $E = qF$ D. $E = F/q2$
17	Electron volt is the unit of.	A. Potential B. Potential difference C. Electric current D. Electric energy
18	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
19	In photocopier, then drum is coated with layer of.	A. Aluminium B. Copper C. Selenium D. silver
20	Which one is photo conductor.	A. Copper B. Selenium C. Mercury D. Aluminium