Physics FSC Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	Electric intensity due to an infinite sheet of charge is:	A. ∂/2ε_◦ B. ∂/rε_◦ C. ∂/r2ε_◦ D. none of these
2	Drum of photocopier is made of.	A. Copper B. Aluminum C. Nickel D. Cobalt
3	Net charge enclosed by Gaussian surface is:	A. zero B. maximum C. depend on intensity D. none of all
4	Two metallic sphere of radius 2 cm and 4 cm get equal quantity of charge. Which has greater surface charge density ?	A. 2nd sphere B. Both have same C. First sphere D. None of these
5	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
6	A changing electric flux creates.	A. Electric fields B. Gravitational C. Magnetic field D. Electric charge
7	Electro encephalon graph is the diagnostic test for the working of.	A. Eye B. Heart C. Brain D. Lungs
8	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
9	The electric field created by positive charge is:	A. Radially outward B. Circular C. Radially inward D. Zero
10	In Millikan's oil drop experiment a charged particle of mass 'm' is in equilibrium in an will	A. Zero B. g/2 C. g D. 2g
11	The electric field lines are closer where the field is	A. Strong B. Weak C. Uniform D. Variable
12	Identify the practical application of electrostatic force.	A. Inkjet printer B. x rays C. Laser D. A.C. Generator
13	The electric potential at a mid point in an electric dipole is.	A. 0 V B. 0.5 V C. 1 V D. 1.5 V
14	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
15	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

16	A force of 0.01 N is exerted on a charge 1.2 x 10^{-5} C at a certain point. The electric field at that point is	A. 1.2 x 10⁴ N/C B. 1.2 x 10⁴ C/N C. 8.3 x 10² N/C D. 8.3 x 10⁻² N/C
17	In photocopier, then drum is coated with layer of.	A. Aluminium B. Copper C. Selenium D. silver
18	Electric potential at a distance "r" from "q" is:	A. V_r = 1/54πε_◦q/r₂ B. Vr=1/4πε_◦²q/r C. V_r=1/4πε_◦2q/r D. V_r=1/4πε_◦q²/r
19	Two opposite point charge of same magnitude separated by distance 2d, electric potential mid way between them is.	A. 1 V B. 2 V C. Zero D. V/2
20	For which material medium, force between two charged particles is maximum.	A. Ammonia B. Germanium C. Mica D. Teflon