Physics FSC Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	Electric flux is a	A. Vector quantity B. Scalar quantity C. Both (a) and (b) D. None of above
2	The force of Neutron due to field of 10^2 N/C is.	A. 1.6 x 10⁻¹⁷N B. 1.6 x 10⁻¹⁹N C. Zero D. 1.6 x 10⁻²¹N
3	The electric field created by positive charge is:	A. Radially outward B. Circular C. Radially inward D. Zero
4	The electrons in one coulomb change is equal to.	A. 1.6 x 10⁻¹⁹ B. 2.25 x 10⁻¹⁹ C. 6.25 x 10⁻¹⁸ D. 6.25 x 10⁻¹⁹
5	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
6	The work done is bringing a unit positive charge from infinity to that point in an electric field is called.	A. Potential B. Potential difference C. Absolute potential D. All of these
7	For computation of electric flux, the surface area should be.	A. Parallel B. Flat C. Curved D. Spherical
8	In photocopier, then drum is coated with layer of.	A. Aluminium B. Copper C. Selenium D. silver
9	Dielectric constant ε_r for air is:	A. 1 B. 1.006 C. 1.0002 D. 1.0006
10	The electric field lines are closer where the field is	A. Strong B. Weak C. Uniform D. Variable
11	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
12	The electric intensity due to two oppositely charged plates is	D. None of these
13	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
14	If both the magnitude of charges and distance between them is doubled, then coulomb's force will be.	A. Doubled B. Hlaf C. Remain same D. One fourth
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	Net charge enclosed by Gaussian surface is:	A. zero B. maximum C. depend on intensity D. none of all
18	Selenium is a	A. Insulator B. Photoconductor C. Conductor D. First insulator then conductor
19	One joule is equal to.	A. 1.6 x 10¹⁹ eV B. 1.6 x 10⁻¹⁹ eV C. 6.25 x 10⁻¹⁸ eV D. 6.25 x 10 ¹⁸ eV
20	The electric intensity at infinite distance from the point charge is	A. Infinite B. Zero C. Positive D. Negative