Physics FSC Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	The electric intensity due to two oppositely charged plates is	D. None of these
2	The electric field created by positive charge is	A. Radially inward B. Zero C. Circular D. Radially outward
3	One electron volt is equal to.	A. 1.6 x 10⁻¹⁹ Joule B. 1.6 x 10⁻¹⁹Coulomb C. 1.6 x 10⁻¹²N D. 1.6 x 10¹⁸Joule
4	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
5	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
6	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
7	An ECG records the _____ between points on human skin generated by electric process i the heart.	A. Heart beat B. Pulse rate C. Pressure D. Voltage
8	SI unit of electric flux is.	A. NmC¹ B. Nm⁻¹ C¹ C. Nm²C⁻¹ D. Nm³C²
9	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
10	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
11	Charge on electron is	A. 1.6 x 10⁻¹⁹ C B. 1.6 x 10¹⁹C C. 1.6 x 10⁻¹⁷C D. 1.6 x 10¹⁷C
12	If the distance between two charges is halved and charges are also doubled, then force between them will be.	A. Two time B. Four time C. Eight time D. Sixteen time
13	A capacitor is perfect in insulator for.	A. Alternating current B. Sparking current C. Eddy current D. Direct current
14	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
15	Two oppositely charged balls A and B attract the third ball C, when placed near them turn by turn The third ball C must be.	A. Positively charged B. Negatively charged C. Electrically neutral D. Positively and negatively charged
16	NC-1 is the SI unit is	A. Force B. Charge C. Current

		D. Electric intensity
17	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
18	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.
19	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
20	When the medium is insulator the elecrostatic force between the charges is	A. Decreased B. Zero C. Increased D. None of above