Physics ICS Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	The electric field created by positive charge is	A. Radially inward B. Zero C. Circular D. Radially outward
2	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
3	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
4	Concept of the electric field lines is introduced by	A. Coulomb B. Faraday C. Einstein D. Joseph henry
5	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
6	NC-1 is the SI unit is	A. Force B. Charge C. Current D. Electric intensity
7	S.I unit of strength of electric field is	A. J/C B. C/V C. V/C D. N/C
8	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
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	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
11	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
12	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
13	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
14	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
15	The SI unit of relative permittivity is.	A. Fm-1 B. C2N-1m-2 C. Nm2C-2 D. No unit

16	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
17	For which material medium, force between two charged particles is maximum.	A. Ammonia B. Germanium C. Mica D. Teflon