

Physics FSC Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	The net charge on a capacitor magnitude of charge of charge	A. Infinity B. $2q$ C. $Q/2$ D. Zero
2	Electric field intensity at a point is defined by the relation.	A. $E = q/F$ B. $E = F/q$ C. $E = qF$ D. $E = F/q^2$
3	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
4	The capacitance of a capacitor depends upon.	A. Thickness of plates B. Charges on the plates C. Voltage applied D. Geometry of the capacitor
5	Electric potential of earth is taken to be zero because the earth is good:	A. Semiconductor B. Conductor C. Insulator D. Dielectric
6	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
7	If both the magnitude of charges and distance between them is doubled, then coulomb's force will be.	A. Doubled B. Half C. Remain same D. One fourth
8	A force of 0.01 N is exerted on a charge $1.2 \times 10^{-5}\text{ C}$ at a certain point. The electric field at that point is	A. $1.2 \times 10^4\text{ N/C}$ B. $1.2 \times 10^4\text{ N/C}$ C. $8.3 \times 10^2\text{ N/C}$ D. $8.3 \times 10^{-2}\text{ N/C}$
9	One electron volt is equal to.	A. $1.6 \times 10^{-19}\text{ Joule}$ B. $1.6 \times 10^{-19}\text{ Coulomb}$ C. $1.6 \times 10^{-12}\text{ N}$ D. $1.6 \times 10^{-18}\text{ Joule}$
10	A charge on 4 coulomb is in the field of intensity 4 N/C the force on the charge is.	A. Uniform B. Non uniform C. Weak D. Strong
11	Presence of dielectric always.	A. Increase the electrostatic force B. Reduces the electrostatic force C. Do not effect electrostatic force D. Doubles the electrostatic force
12	Selenium is a	A. Insulator B. Photoconductor C. Conductor D. First insulator then conductor
13	The amount of energy equal to $1.6 \times 10^{-18}\text{ J}$ is called.	A. One volt B. One milli volt C. One electron volt D. One mega electron volt
14	The toner of printer is given	A. Positive charge B. Negative charge C. Neutral D. First positive then negative
15	The electrical intensity is equal to:	A. $-\Delta r/\Delta v$ B. $\Delta v/\Delta r$ C. $\Delta v/\Delta v$ D. $-\Delta v/\Delta r$

16 Intensity of field inside a hollow charged sphere will be.

A. Negative
B. Unaffected
C. Zero
D. Maximum

17 The total flux through a closed surface.

A. Directly proportional to shape and geometry
B. Independent of medium
C. Depend on shape and geometry
D. Dependent on medium and the charge enclosed

18 The electric field created by positive charge is:

A. Radially outward
B. Circular
C. Radially inward
D. Zero

19 Dielectric constant ϵ_r for air is:

A. 1
B. 1.006
C. 1.0002
D. 1.0006

20 Concept of electric field lines was given by:

A. Michelson
B. Henry
C. Michael faraday
D. Oersted
