

Physics ICS Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	Some charge is being given to a conductor. Then its potential	A. Its maximum at surface B. Its maximum at Its maximum at center C. Is remain same throughout the conductor D. Is maximum somewhere between surface and centre
2	Identify the practical application of electrostatic force.	A. Inkjet printer B. x rays C. Laser D. A.C. Generator
3	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
4	Total flux through a closed surface depends on.	A. Shape of surface B. Medium only C. Charge enclosed only D. Charge and Medium
5	The electric field created by positive charge is:	A. Radially outward B. Circular C. Radially inward D. Zero
6	Which one of the following is correct	A. D. All of above
7	Concept of electric field lines was given by:	A. Michelson B. Henry C. Michael faraday D. Oersted
8	S.I unit of strength of electric field is	A. J/C B. C/V C. V/C D. N/C
9	The negative of the potential gradient is	A. Electrostatic force B. Electromotive force C. Potential difference D. Electric field intensity
10	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
11	Dielectric constant ϵ_r for air is:	A. 1 B. 1.006 C. 1.0002 D. 1.0006
12	The electric field in some region of of space is uniform in magnitude and direction. Which one of the following five statements best describes the volume charge density (ρ) , in this region of space?	A. $\rho = 0$ 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.

13	NC-1 is the SI unit is	A. Force B. Charge C. Current D. Electric intensity
14	The number of electrons in one coulomb charge is equal to	A. 6.2×10^{18} electrons B. Zero electrons C. 1.6×10^{-22} electrons D. 6.2×10^{21} electrons
15	Drum of photocopier is made of.	A. Copper B. Aluminum C. Nickel D. Cobalt
16	The process of copying is:	A. Axillugraphy B. Chromatography C. Xerography D. Spectrography
17	The capacitance of a capacitor depends upon.	A. Thickness of plates B. Charges on the plates C. Voltage applied D. Geometry of the capacitor
18	Electron volt is the unit of.	A. Potential B. Potential difference C. Electric current D. Electric energy
19	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
20	Concept of the electric field lines is introduced by	A. Coulomb B. Faraday C. Einstein D. Joseph henry