

## Physics FSC Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	The electric potential at a mid point in an electric dipole is.	A. 0 V B. 0.5 V C. 1 V D. 1.5 V
2	The electric field created by positive charge is:	A. Radially outward B. Circular C. Radially inward D. Zero
3	Electric potential at a distance "r" from "q" is:	A. V <sub>r</sub> = $1/54\pi\epsilon$ <sub>°</sub> q/r <sub>2</sub> B. Vr= $1/4\pi\epsilon$ <sub>°</sub> <sup>2</sup> q/r C. V <sub>r</sub> = $1/4\pi\epsilon$ <sub>°</sub> 2q/r D. V <sub>r</sub> = $1/4\pi\epsilon$ <sub>°</sub> q <sup>2</sup> /r
4	Closeness of the electric field lines is the measure of.	A. Direction of field B. Strength of field C. Potential difference D. Uniformity of field
5	Electric potencial of earth is taken to be zero because the earth is good:	A. Semiconductor B. Conductor C. Insulator D. Dielectric
6	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
7	For computation of electric flux, the surface area should be.	A. Parallel B. Flat C. Curved D. Spherical
8	Farad is defined as	A. "Coulomb/Volt B. Ampere /Volt C. Coulomb /Joule D. Volt/Coulomb
9	Charge on electron is	A. 1.6 x 10 <sup>-19</sup> C B. 1.6 x 10 <sup>19</sup> C C. 1.6 x 10 <sup>-17</sup> C D. 1.6 x 10 <sup>17</sup> C
10	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
11	Gauss's law can only be applied to.	A. A curved surface B. A flat surface C. A closed surface D. A surface of any shape
12	Concept of electric field lines was given by:	A. Michelson B. Henry C. Michael faraday D. Oersted
13	A charge on 4 coulomb is in the field of intensity 4N/C the force on the charge is.	A. Uniform B. Non uniform C. Weak D. Strong
14	The toner of printer is given	A. Positive charge B. Negative charge C. Neutral D. First positive then negative
		A.

A. <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px,">p = 0</span> B. <span style="color: rgb(34, 34, 34); font-family:

15	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 $(\rho)$ , in this region of space?	arial, sans-serif; font-size: 16px,">p decreases linearly in the direction of the electric field C. <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px,">p increases linearly in the direction of the electric field</span> D. <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px,">p has a uniform value throughout the region</span> E.    
16	Electric flux is a:	A. Scalar quantity  B. Vector quantity C. Variable quantity D. None of these
17	The process of copying is:	A. Axillugraphy  B. Chromatography C. Xerography D. Spectrography
18	Electric flux is a	A. Vector quantity B. Scalar quantity C. Both (a) and (b) D. None of above
19	Selenium is	A. Insulator is dark     B. Insulator in light     C. Conductor in dark     D. Semi conductor in dark
20	The leV =	A. 1.6x10-19C B. 1.6x10-11J C. 1.6x10-19J D. 1.6x10-11C