

Physics ICS Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	The process of copying is:	A. Axillugraphy B. Chromatography C. Xerography D. Spectrography
2	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
3	The amount of energy equal to 1.6×10^{-18} J is called.	A. One volt B. One milli volt C. One electron volt D. One mega electron volt
4	A changing electric flux creates.	A. Electric fields B. Gravitational C. Magnetic field D. Electric charge
5	When the medium is insulator the electrostatic force between the charges is	A. Decreased B. Zero C. Increased D. None of above
6	Electric potential at a distance "r" from "q" is:	A. $V = \frac{q}{4\pi\epsilon_0 r^2}$ B. $V = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2}$ C. $V = \frac{1}{4\pi\epsilon_0} \frac{q}{r}$ D. $V = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2}$
7	Due to polarization, electric field E.	A. Increase B. Decrease C. First increases then decreases D. Remain same
8	Metals are good conductors of electricity because they have	A. Large number of bounded electrons B. Small number of electrons C. Large number of free electrons D. Small number of free electrons
9	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
10	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
11	Farad is defined as	A. "Coulomb/Volt B. Ampere /Volt C. Coulomb /Joule D. Volt/Coulomb
12	Identify the practical application of electrostatic force.	A. Inkjet printer B. x rays C. Laser D. A.C. Generator
13	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
14	A capacitor is perfect in insulator for.	A. Alternating current B. Sparking current C. Eddy current D. Direct current
15	If the medium between the charges is not free space then electrostatic force will.be	A. Increase B. Decrease C. Remain same

		D. None of these
16	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
17	The toner of printer is given	A. Positive charge B. Negative charge C. Neutral D. First positive then negative
18	The negative of the potential gradient is	A. Electrostatic force B. Electromotive force C. Potential difference D. Electric field intensity
19	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
20	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