

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

Sr	Questions	Answers Choice
1	The work done in bringing a unit positive charge from infinity to that point in an electric field is called.	A. Potential B. Potential difference C. Absolute potential D. All of these
2	The electric field created by positive charge is:	A. Radially outward B. Circular C. Radially inward D. Zero
3	The toner of printer is given	A. Positive charge B. Negative charge C. Neutral D. First positive then negative
4	When the medium is insulator the electrostatic force between the charges is	A. Decreased B. Zero C. Increased D. None of above
5	Total flux through a closed surface depends on.	A. Shape of surface B. Medium only C. Charge enclosed only D. Charge and Medium
6	Two parallel, metal plates are a distance 8.00 m apart. The electric field between the plates is uniform, Directed toward the right , and has a magnitude of 4.00 N/C. If an ion of charge $+2e$ is released at rest at the left-hand plate. What is its kinetic energy when reaches the right-hand plate?	A. 4 eV B. 64 eV C. 32 eV D. 16 eV
7	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
8	Presence of dielectric between two charges always.	A. Reduces the electric force B. Enhance the electric force C. Does not effect electric force D. Double the electric force
9	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
10	An ECG records the _____ between points on human skin generated by electric process in the heart.	A. Heart beat B. Pulse rate C. Pressure D. Voltage
11	Which one is photo conductor.	A. Copper B. Selenium C. Mercury D. Aluminium
12	NC-1 is the SI unit is	A. Force B. Charge C. Current D. Electric intensity
13	The electric flux through closed surface depends upon	A. Charge B. Medium C. Geometry D. <div>Charge and Medium</div>
14	If the separation between the plates of a capacitor is doubled then its capacitance become.	A. Double B. Half C. One fourth D. Three times
15	In Millikan's oil drop experiment a charged particle of mass 'm' is in equilibrium in air will	A. Zero B. $g/2$ C. $g$ D. $2g$

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16 The negative of the potential gradient is  
A. Electrostatic force  
B. Electromotive force  
C. Potential difference  
D. **Electric field intensity**

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17 If a charge body moved against the electric field it will again  
A. Potential energy  
B. K.E  
C. Mechanical Energy  
D. **Electric potential energy**

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18 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

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19 if time constant in RC series circuit is small, then capacitor is charged or discharged.  
A. Slowly  
B. **Rapidly**  
C. At constant rate  
D. Intermittently

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20 The product of resistance and capacitanc eis.  
A. Velocity  
B. Force  
C. Acceleration  
D. **Time**

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