

Physics FSC Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	The toner of printer is given	A. Positive charge B. Negative charge C. Neutral D. First positive then negative
2	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
3	A capacitor is charged with a battery and then it is disconnected. A slab of dielectric is now inserted between the plates, Then	A. The charge in the plates reduces and potential difference increase B. Potential difference between the plates increase, stored energy decreases and charge remains the same C. Potential difference between the plates decreases, stored energy decreases and charge remains unchanged D. None of them
4	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
5	If a charged body is moved against the electric field it will gain.	A. P.E. B. K.E. C. Mechanical energy D. Electrical potential energy
6	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
7	An electric field cannot deflect	A. X-rays B. α -particles C. β -particles D. None of these
8	The electrical intensity is equal to:	A. $-\Delta r/\Delta v$ B. $\Delta v/\Delta r$ C. $\Delta v/\Delta v$ D. $-\Delta v/\Delta r$
9	Coulomb's force is:	A. Conservative force B. None conservative force C. Similar to frictional force D. None of the above
10	Concept of the electric field lines is introduced by	A. Coulomb B. Faraday C. Einstein D. Joseph henry
11	The capacitance of a capacitor depends upon.	A. Thickness of plates B. Charges on the plates C. Voltage applied D. Geometry of the capacitor
12	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
13	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. None of these

D. Positively and negatively charged

14	Which one is photo conductor.	A. Copper B. Selenium C. Mercury D. Aluminium
15	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
16	The relative permittivity of air is	A. 79.5 B. 1.006 C. 1.06 D. 1.0006
17	A force of 0.01 N is exerted on a charge 1.2×10^{-5} C at a certain point. The electric field at that point is	A. 1.2×10^4 N/C B. 1.2×10^4 C/N C. 8.3×10^2 N/C D. 8.3×10^{-2} N/C
18	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
19	A capacitor is perfect in insulator for.	A. Alternating current B. Sparking current C. Eddy current D. Direct current
20	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