

Physics ICS Part 2 Chapter 12 Online MCQ's Test

Sr	Questions	Answers Choice
1	The quantity time constant RC has units of.	A. Charge B. Time C. Capacitance D. Resistance
2	Force per unit charge is called:	A. Gravitational force B. Electric field intensity C. Coulomb's force D. None of these
3	A proton is about 1840 time than an electron. When it is accelerated by a potential difference of 1 kV, its kinetic energy will be:	A. 1884 ke V B. 1/1840 keV C. 1 keV D. 920 keV
4	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
5	Electric flux is a	A. Vector quantity B. Scalar quantity C. Both (a) and (b) D. None of above
6	SI unit of electric flux is.	A. Nm^2/C B. Nm^2/C^2 C. Nm^2/C D. Nm^2/C^3
7	Due to polarization, electric field E.	A. Increase B. Decrease C. First increases then decreases D. Remain same
8	The "toner" of photocopier is given:	A. Positive charge B. Negative charge C. Remains neutral D. All of above
9	The capacitance of a capacitor depends upon.	A. Thickness of plates B. Charges on the plates C. Voltage applied D. Geometry of the capacitor
10	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
11	The product of resistance and capacitance is.	A. Velocity B. Force C. Acceleration D. Time
12	Concept of electric field lines was given by:	A. Michelson B. Henry C. Michael faraday D. Oersted
13	Special organs called ampullae of Lorenzini are present in.	A. Bats B. Cats C. Dogs D. Sharks
14	Electroencephalogram is the diagnostic test for the working of.	A. Eye B. Heart C. Brain D. .

		D. Lungs
15	A changing electric flux creates.	A. Electric fields B. Gravitational C. Magnetic field D. Electric charge
16	The middle region of electric field is:	A. Maximum field spot B. Zero field spot C. Perpendicular field spot D. All of above
17	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
18	A capacitor is perfect insulator for.	A. Alternating current B. Sparking current C. Eddy current D. Direct current
19	Which one is photo conductor.	A. Copper B. Selenium C. Mercury D. Aluminium
20	A capacitor stores energy in the form of.	A. Magnetic field B. Heat energy C. Electrical energy D. Mechanical energy