

Chapter 1 : Quiz www.nxgvision.com Physics, MCQs Chapter Electrostatics ~ House of Physics

Tweet; The following section consists of Physics Multiple Choice questions on Electrostatics For competitions and exams. Select the correct option to test your skills Electrostatics.

Full Screen Page 1 Page 1 v 1. Let Q denote the charge on the plates of the capacitor of capacitance C . A charge of 10 C given to a sphere raises its potential from 1 . The radius of the sphere is A . A cylindrical capacitor has a length of 1 m and its inner cylinder has a radius of 5 cm . If the outer cylinder has a radius of 50 cm , then the capacitance is A . The energy stored per unit volume of a parallel plate air capacitor is 4 . If the potential difference between its plates is V , the distance between the plates is A . The potential at the centre is A . Page 3 Page 1 v 1. The electric field at a point $1\text{m}, 0, 2\text{m}$ is A . D Page 4 8. The equivalent capacitance between A and B in the figure shown is A . It requires 4J of work to move a charge of 20 C from point A to point B , separated by a distance of 0 . At the circumcentre O , the electric field strength is A . Zero Page 5 Page 1 v 1. Zero Page 5 B. A table tennis ball which has been covered with a conducting point is suspended by a light thread so that it hangs between two metal p. One plate is earthed, while other is attached to high voltage generator, the ball A . A parallel plate capacitor has plates of unequal area. The larger plate is connected to the positive terminal of the battery and smaller plate to $-ve$ terminal. None of these Ans.

Chapter 2 : Entry Test Physics MCQs class 11 and 12

Multiple Choice Questions of Physics Class 12 Chapter 12 Electrostatics. If you are able to do these MCQs correctly, we assure you % marks for this Chapter in Board Exams and Entry Test which you have to pass for admission to engineering or medical disciplines. start doing these again and again.

You also get idea about the type of questions and method to answer in your class 12th examination. Physics Class 12 Important Questions are very helpful to score high marks in board exams. Physics Important Questions Class 12 are given below. The internal resistance of the battery is 0. The electric potential energy of the charge a remains a constant because the electric field is uniform. A charged object is moved from point A to point B. The electrostatic potential on the surface of a charged conducting sphere is V . Two statements are made in this regard: At any point inside the sphere, electric intensity is zero. Which of the following is a correct statement? Equipotentials at a great distance from a collection of charges whose total sum is not zero are approximately a spheres. A parallel plate capacitor is made of two dielectric blocks in series. One of the blocks has thickness d_1 and dielectric constant k_1 and the other has thickness d_2 and dielectric constant k_2 as shown in Fig. The potential is a constant a in all space. Equipotential surfaces a are closer in regions of large electric fields compared to regions of lower electric fields. The work done to move a charge along an equipotential from A to B In a region of constant potential a the electric field is uniform b the electric field is zero c there can be no charge inside the region. In the circuit shown in Fig. Then K_1 is opened and K_2 is closed order is important. A parallel plate capacitor is connected to a battery as shown in Fig. Choose the correct option s . Q remains same but C changes. V remains same but C changes. V remains same and hence Q changes. Q remains same and hence V changes. State whether the charge density of the smaller sphere is more or less than that of the larger one. It is then connected to the uncharged capacitor with the dielectric. Find the final voltage on the capacitors. Find locus of points where the potential a zero. Two charges $\hat{\epsilon}''q$ each are separated by distance $2d$.

Chapter 3 : Multiple Choice Questions with Answers for Physics FSC Part 2

Balochistan, Quetta Board, Turbat Board, Zhob Board, 12th Class, Second year Multiple Choice Questions Answers, MCQs. 12 Class Physics Electrostatics mcq, mcqs.

Electric dipole-electric field on axial and equatorial line, torque acting on the dipole. Statement of Gauss Theorem. Electric field due to infinite plane sheet of charge Application of Gauss Theorem Electric field due to spherical shell Application of Gauss Theorem Electric field due to infinite uniformly charged line charge Application of Gauss Theorem Electric potential due to dipole and point charge. Electrostatic Potential energy and equipotential surfaces Electric lines of force and its properties Capacity of a parallel plate capacitor with i air ii dielectric iii conducting medium between the plates Numericals on series and parallel combination of capacitor. Energy stored in a capacitor. Define dipole moment of an electric dipole. Is it a scalar or a vector? In which orientation a dipole placed in a uniform electric field is in a Stable, b Unstable Equilibrium? What is the electric potential due to electric dipole at an equatorial point? What is the shape of equipotential surface due to a single isolated charge? Is it a scalar or a vector quantity? A hollow metal sphere of radius 5 cm is charged such that the potential on its surface is 10V. What is the potential at the centre of the sphere? What is the work done to move a test charge q through a distance of 1 cm along the equatorial axis of dipole? Can two equipotential surfaces intersect each other? The given graph shows the variation of charge, q versus potential difference V for capacitors C_1 and C_2 . The two capacitors have same plate area of C_2 is double than that C_1 . Which of the lines in the graph correspond to C_1 and C_2 and why? Derive expression for electric field at a point on the axial line of the dipole. Give the direction of electric field at the point. Derive expression for electric field at a point on the equatorial line of dipole. An electric dipole is held in uniform electric field E . Show that no net force acts on it. Charge q is distributed uniformly on a spherical shell of radius R . Derive expression for capacitance of parallel plate capacitor. Derive expression for capacitance of parallel plate capacitor with dielectric as medium between the plates. Derive expression for energy stored in a capacitor. Bose was driving on a highway along fields. When a drizzle starts with lightning and thunder storm. He spots a few farmers walking with iron spoke top umbrellas to avoid getting wet. He stops his car and instructs his co passengers to keep sitting inside the car. He advises the farmers not to use the umbrella till the lightning subsides. What are the two human qualities which Mr. Why did he advise the farmers not to use the type of umbrella they were using? Why did he advise his co passengers to set inside the car and not to venture out? Where p is dipole moment. It is a scalar quantity. Potential at a point on equatorial line is 0. For an isolated charge equipotential surface are concentric spherical shells and distance between them increases with the decrease in field. Potential at any point on the equatorial line is 0. Two diagonally opposite points are equidistant from the centre of square hence potential at these points due to given charge will be equal.

Chapter 4 : Physics MCQs for Class 12 with Answers Test 1

Physics Class 12 - Notes, Questions, Videos & MCQs; Chapter 1 - Electric Charges and Fields 19 videos, 8 docs & 10 tests. Electric Charges Introduction - Electric Charges and Field, Class 12, Physics Watch Duration: min.

Chapter 5 : Electrostatics- NEET Physics MCQs, Study Notes, Important Topics, Study Tips

The radius of the sphere is A. m B. m C. m D. m Ans. B Solution: Class: XII Subject: Physics Topic: Electrostatics Duration: 60 Min Maximum Marks: 60 Page|2 3. A cylindrical capacitor has a length of 1 m and its inner cylinder has a radius of 5 cm.

Chapter 6 : Electrostatics MCQs

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Chapter 8 : Punjab Physics Online Test 12th Class Chapter 1 Electrostatics

MCQs of Physics Class 11 & 12 You are in FSC which is the most crucial phase and class of your life. After getting good marks you will have to appear in entry test in which you will have to get good score.

Chapter 9 : MCQ (with answers): Electrostatic Potential and Capacitance, Class 12, Physics | EduRev Note

Test For: All Punjab Boards 12th Class Students The Punjab Board of Intermediate and Secondary Education BISE PUNJAB BOARD Physics Online Test for the 12th Class Model Paper Chapter No 01 has been provided for the Preparations.