Physics 10th Class English Medium Online Test

Sr	Questions	Answers Choice
1	A positive and negative charges are initially 4 cm apart. When they are moved closer together so that they are now only 1 cm apart, the force between them is:	A. 4 times smaller than before B. 4 times larger than before C. 8 times larger than before D. 16 times larger than before.
2	The coulomb's law is valid for the charges which are:	A. moving and point charges B. moving and non-point charges C. stationary and pont charges D. stationary and large size charges
3	According to Coulomb's law , what happens to the attraction of two oppositely charged objects as their distance of separation increases?	A. Increase B. Decreased C. remain unchanged D. can not be determined
4	When you rub a plastic rod against your hair several times and put it near some bits of paper, the pieces of papers are attracted towards it. What does this observation indicate?	A. the rod and the paper are oppositely charged B. the rod acquires a positive charge C. the reod and the paper have the same charges D. the rod acquires a negative charge
5	Two uncharged objects A and B are rubbed against each other. When object B is placed near a negatively charged object C, the two objects repel each other. Which of these statements is true about object A.	A. Remains uncharged B. Becomes positively charged C. Becomes negatively charged D. Unpredicatable
6	An object gains excess negative charge after being rubbed against another object, which is:	A. Neutral B. Negatively charged C. Charged D. Either, a,b,and c
7	A positive electric charge:	A. Attracts other positive charge B. Repels other positive charge C. Attracts a neutral charge D. Repels a neutral chage
8	_____ is always virtual in case of convex mirror.	A. p B. image C. object D. all of these
9	Power of convex lens is 10 D. Its focal length is:	A. 100 m B. 10 m C. 1 m D. 0.1 m
10	A normal eye can see near objects clearly at a distance of:	A. 20 cm B. 25 cm C. 30 cm D. 35 cm
11	Speed of light in air is ms^{-1}	A. 3 x 10⁸ B. 3 x 10¹¹ C. 3 x 10⁵ D. 340
12	Power of lens is:	A. q/p B. 1/q C. 1/p D. 1/f