

MODEL ACTIVITY TASKS
CLASS – XII
PHYSICS

Chapter : Electrostatics

Write the answers to the questions given below :

1. Sixty four small drops of water of 4 mm radius and of the same charge coalesce to form a large drop. Compare the surface charge density of a small drop with that of the large one.
2. Determine the surface charge density in SI unit.
3. If 6.25×10^{18} electrons are removed from a glass rod , what will be the amount of the positive charge in the glass rod ?
4. Two particles are kept in air at a distance of 5 cm from each other. How should a charge of 10 esu be distributed between these two particles so that the repulsive force between them is maximised ? Find the repulsive force.

Students will write answers to these activity tasks in subject specific exercise books at home, and submit the exercise books to respective subject teachers after schools reopen.
Under no circumstance, students will go out of home.