

**Worksheet No. - 1**

1. Why a comb attracts the piece of papers when it is rubbed through the dry hairs?
2. Write the dimension of electrical permittivity.
3. What is the SI unit of permittivity?
4. Write down the value of electrical permittivity.
5. What are the methods of charging?
6. Why a body gets positively and negatively charged?
7. What charge is on Glass Rod and Plastic Rod?
8. Who told that there are two types of charges?
9. Who named the two types of charges as positive and negative?
10. Does the force between the two-point charges changes if the dielectric constant of the medium in which they are kept is increased?
11. Explain the Meaning of the Statement 'Electric Charge of a Body is Quantized'.
12. When a Glass Rod is Rubbed with a silk cloth, Charges appears on both. A similar phenomenon is observed with many other pairs of bodies. Explain how this observation is consistent with the law of conservation of charge.