## Managed by IITians, NITians

**Neutron Classes** 

(Serving Quality Education)

Chapter – 1

Date: 07-04-2022

## 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.

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