

Questions

- 1) What is electrostatics?
- 2) Define a charge.
- 3) Name 3 ways of charging a body. Explain each.

Questions

- 1) Write the properties of a charge.
- 2) State Coulomb's law.
- 3) Express \vec{F} in vector form. Also prove that electrostatic forces b/w two charges obey Newton 3rd law.
- 4) Do examples on numericals.

Questions

- 1) State and explain Superposition Principle.
- 2) Define electric field. Write its unit.
- 3) Do all related examples.

Questions

1. Derive expressions for electric field produced by a dipole at axial and equatorial points.
2. State Gauss's law.
3. Derive expressions of electric field produced by
 - I) Long charged wire
 - II) Infinite plane charged metal sheet
 - III) Charged metal shell.