

## **Short Answer Type Questions(Revision )-**

- 1 Explain the term quantization of charge with an example.**
- 2 State Coulomb's law in vector form.**
- 3 Calculate the Coulomb's force between a proton and an electron separated by 0.8 Fermi.**
- 4 What is the magnitude of an electric field intensity that will balance the weight of an electron?**
- 5 Sketch the electric field lines in case of (i)  $q > 0$  (ii)  $q < 0$**
- 6 Define electric dipole moment. Write down its SI unit and dimensional formula.**
- 7 Write down the important characteristics of electric field lines.**
- 8 State Gauss's theorem and prove it.**
- 9 Discuss the electric field intensity due to two parallel plane sheets of charge.**
- 10 Define electric flux. Write its SI unit. Is it scalar?**

