

Exemplar Problem 4:

Q) Which of the following properties of atom could be explained correctly by Thomson Model of atom?

- (a) Overall neutrality of atom.
- (b) Spectra of hydrogen atom.
- (c) Position of electrons, protons and neutrons in an atom.
- (d) Stability of Atom.

Ans: According to Thomson's pudding model, the balance is maintained, i.e. the overall mass of the atom is assumed to be uniformly distributed over the atom. So, this model explains the overall neutrality of the atom.

— Hence Option a is correct.