

Ques 7: Describe the n-type semi-conductor and its conductivity.

Ans: n-type Semiconductor are created by doping an intrinsic semiconductor with donor impurities. A common dopant for n-type silicon is phosphorus.

The n-type semiconductor is doped with penta valent impurity elements. The penta-valent elements have five electrons in the valance shell.

There are more number of electrons in the n-type semi-conductor.

