

1. P-Type Semiconductor:

If trivalent impurity is added to the semiconductor it forms p-type.

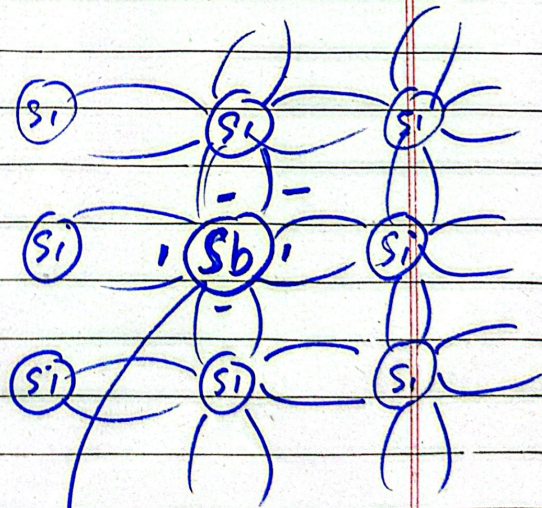
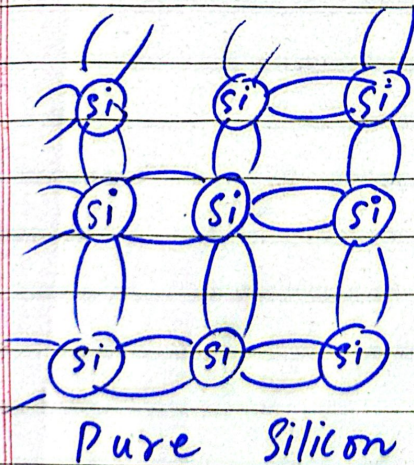
majority
No. of charge carriers will be holes.

Ques

2. N-Type Semiconductor:

It is formed when Pentavalent impurity is added.

Majority charge carriers are electrons.



Antimony atom
Pentavalent Impurity
1 extra electron.

N-Type Semiconduct