

I BE CSE G1 Tutorial Test #1

Duration: 50 min

14-12-2020

Total Marks-20

Qn-1. With a schematic representation, write the energy order, when p-orbitals of two identical atoms undergo overlapping. Justify the answer. (5)

Qn-2. Show that how N-Type doping enhances the conductivity of elemental Si. (5)

Qn-3. Whether or not, the band gap of GaAs is lesser than that of GaP? Comment your answer. (5)

Qn-4. How does the diamond carbon exhibit insulating property? (5)