

Alva's Institute of Engineering and Technology- Moodbidri

Engineering Physics

Assignment -2

1. Bring out the salient features of Drude-Lorentz theory.
2. What are the applications of superconductivity?
3. An intrinsic semiconductor has an energy gap of 0.4eV. Calculate the probability of occupation of the lowest level in conduction band at 0°C , 50°C and 100°C .
4. Explain law of mass action for semiconductors.
5. Give a brief account of high temperature superconductors.

Note: Submit on or before 24th May 2017

