

Questions for Jan. 15, 2020

ECE 542

University of Louisville

Possible Quiz Questions

1. What symbol represents the conduction band effective density of states?
2. What symbol represents the valence band effective density of states?
3. What symbol is used to represent the equilibrium electron concentration?
4. What symbol is used to represent the equilibrium hole concentration?
5. What symbol is used to represent the intrinsic electron concentration?
6. Does the value of n_i^2 depend upon E_F ?
7. For silicon (column IV), what column do donor atoms come from?
8. For germanium (column IV), what column do acceptor atoms come from?