(2 marks)

- 1. What is the difference between drift current and diffusion current?
- 2. What do you mean by a periodic potential.
- 3. What are phonons?
- 4. Define mobility of electrons?
- 5. Define Lorentz Number
- 6. Graph between energy and wavenumber.
- 7. Graph between energy and density of state for 1d and 3 d
- 8. What is the effect of doping on the band gap of semiconductor.
- 9. How the position of fermi level changes with doping.
- 10.Define law of mass action.