

important topics

1. Laser and types of lasers
2. Applications of lasers
3. Optical fibre construction and types
4. Schrodinger equation
5. Particle in 1D box
6. Semiconductors basics
7. Band gap.
8. Effective mass
9. Density of states, Fermi energy, carrier concentration (only basic explanation is required)
9. Optoelectronic devices basic idea about working of them(solar cell. LED, photo diode)
10. Introduction and application of nano materials

Aggregate and aaglomerate

Schrodinger time independent

Ruby laser