

Short questions

1. What are different types of polarizer? Discuss each.
2. Discuss the propagation of wave in uniaxial media.
3. Write short notes on
 - 1) half wave plate.
 - 2) quarter wave plate.
4. Discuss the construction & working of L.E.D.
5. Describe the working of photomultiplier tube.
6. Discuss the charge coupled device

Long questions

1. Discuss the propagation of wave in homogeneous media.
2. Discuss the phenomena of reflection & transmission at any interface.
3. Write short notes on
 - 1) Total Internal Reflection
 - 2) Brewster law.
4. Explain how electromagnetic wave is absorbed in complex dielectric material.