Tutorial Sheet-10

[Laser Technology and Applications, 16B1NPH533, Odd Semester 2020]

1. [CO2] What are the various applications of laser?
2. [CO2] How can lasers be used in Defence?
3. [CO2] What is LIDAR? Write its applications.
4. [CO2] Write a short note on optical communications?
5. [CO2] Discuss the working of Bar Code Scanner.
6. [CO2] What is LIGO?
7. [CO2] Search, think and write one paragraph for each;
   (a) Lasers in automobile industry
   (b) Lasers in electronics
   (c) "Gillette" unit and laser.
   (d) Micromachining in a piece of hair using a laser.
   (e) Application of laser in the opening of oysters.
   (f) Lasers applications in vaporizing materials for subsequent deposition on a substrate.
   (g) Laser Tracking and Lidar
   (h) The Laser Geodynamic Satellite (LAGEOS).
   (i) LASIK
   (j) Port wine stain treatment.
   (k) DFB and DBR Laser