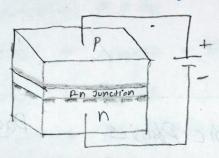
Semiconductor LASER (home) Day 48 d

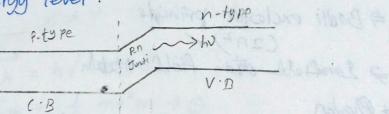


Active medium: GaAs sally & motors

Pumping Source: Direct current -> e -> hu

optical resonator: P-n Junction

Energy level:



$$P' = \frac{E}{E} = \frac{hc}{hc}$$

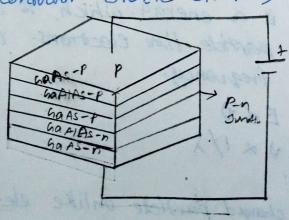
$$C = DA$$

$$V = C/A$$

$$Eg = hc/\lambda \Rightarrow \lambda = \frac{hc}{Eg} = \frac{6.621 \times 10^{-34} \times 3 \times 10^{8}}{1.44 \times 1.6 \times 10^{-19}}$$

Photon

semicorductor (ASER (Hetoro)



A Applications: a) Industrial b) Medical