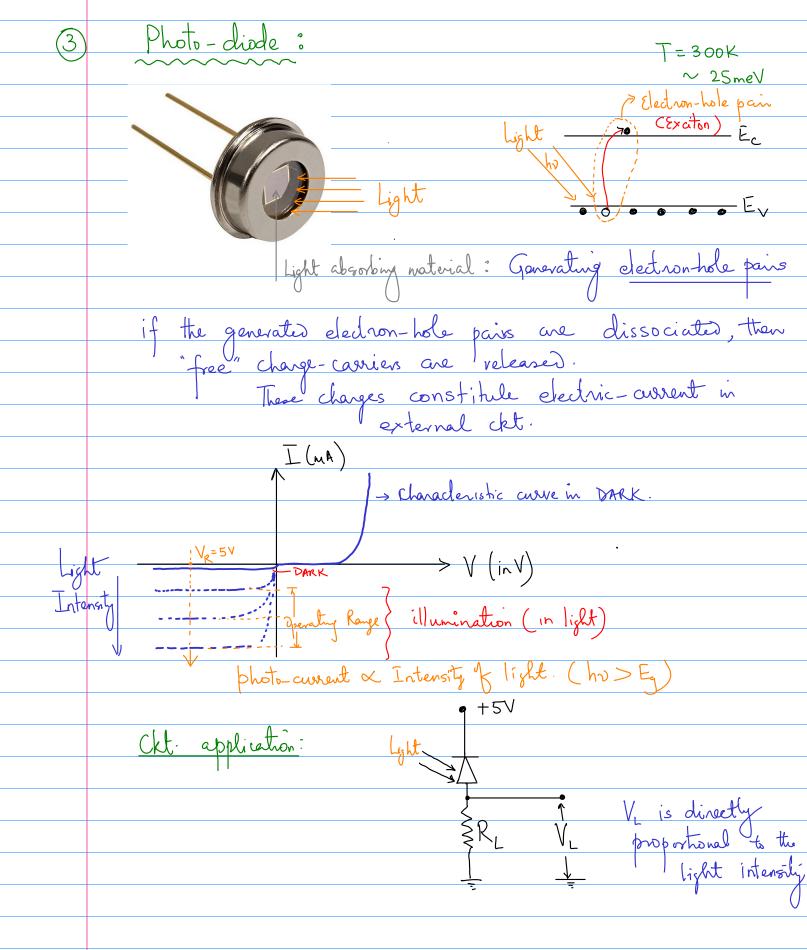
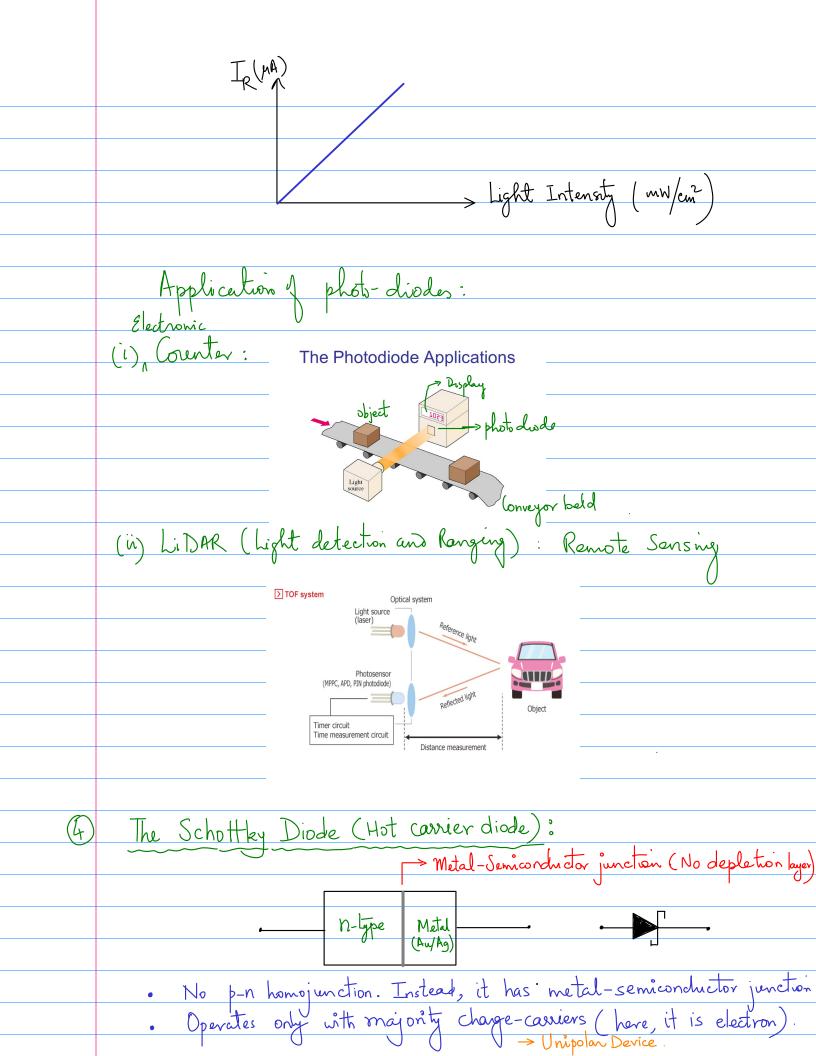
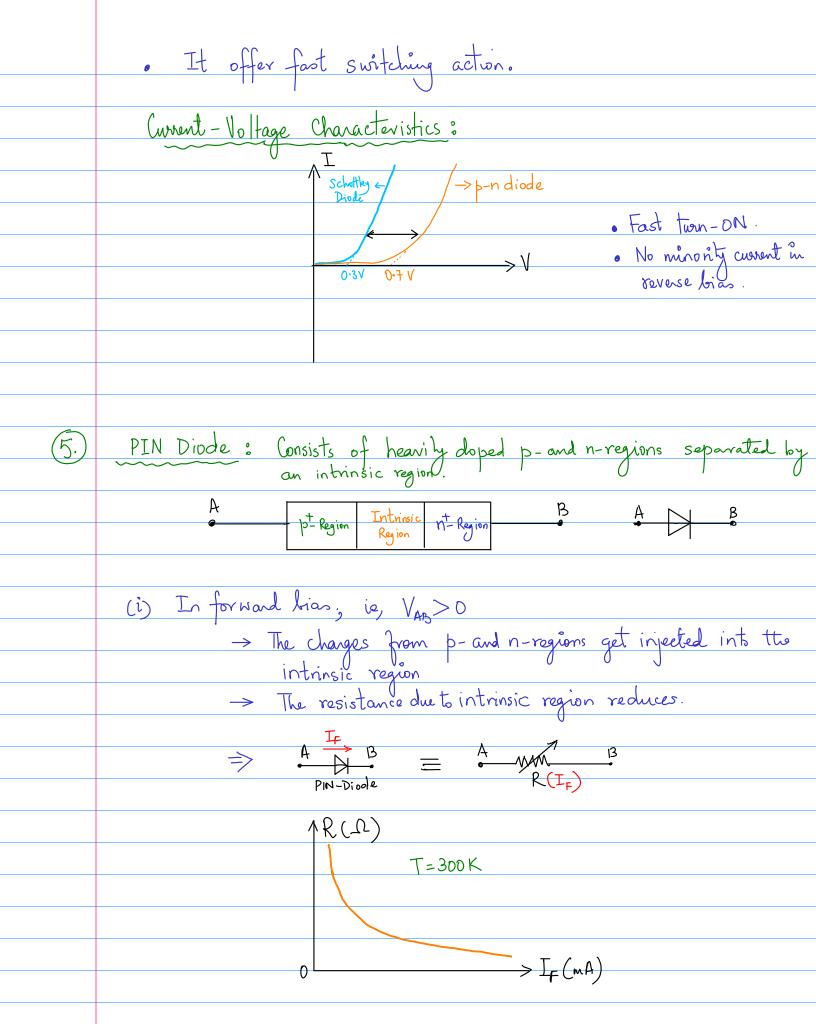
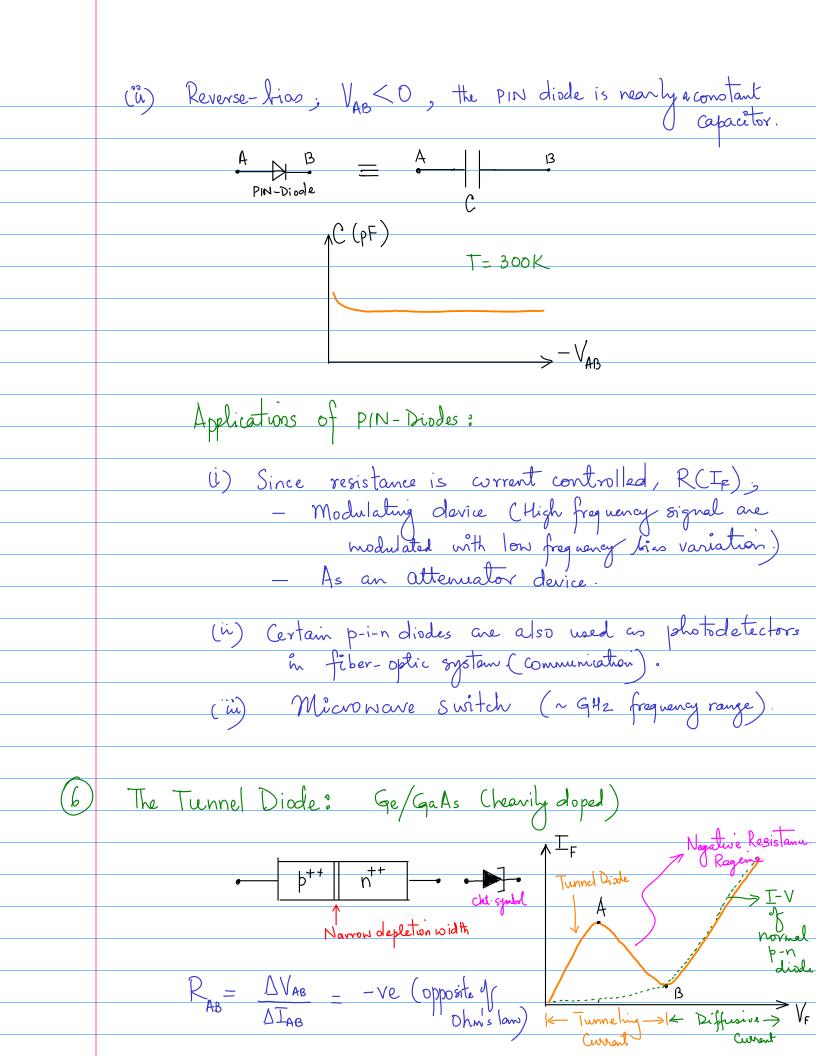
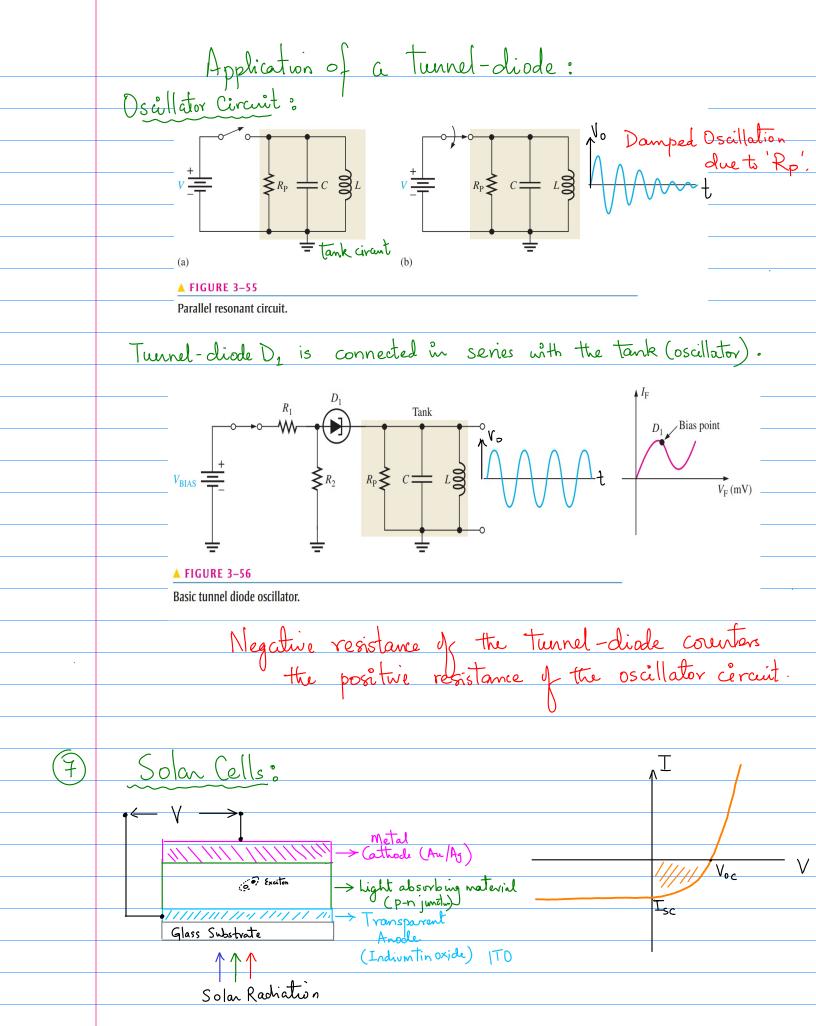
Special Purpose Diodes

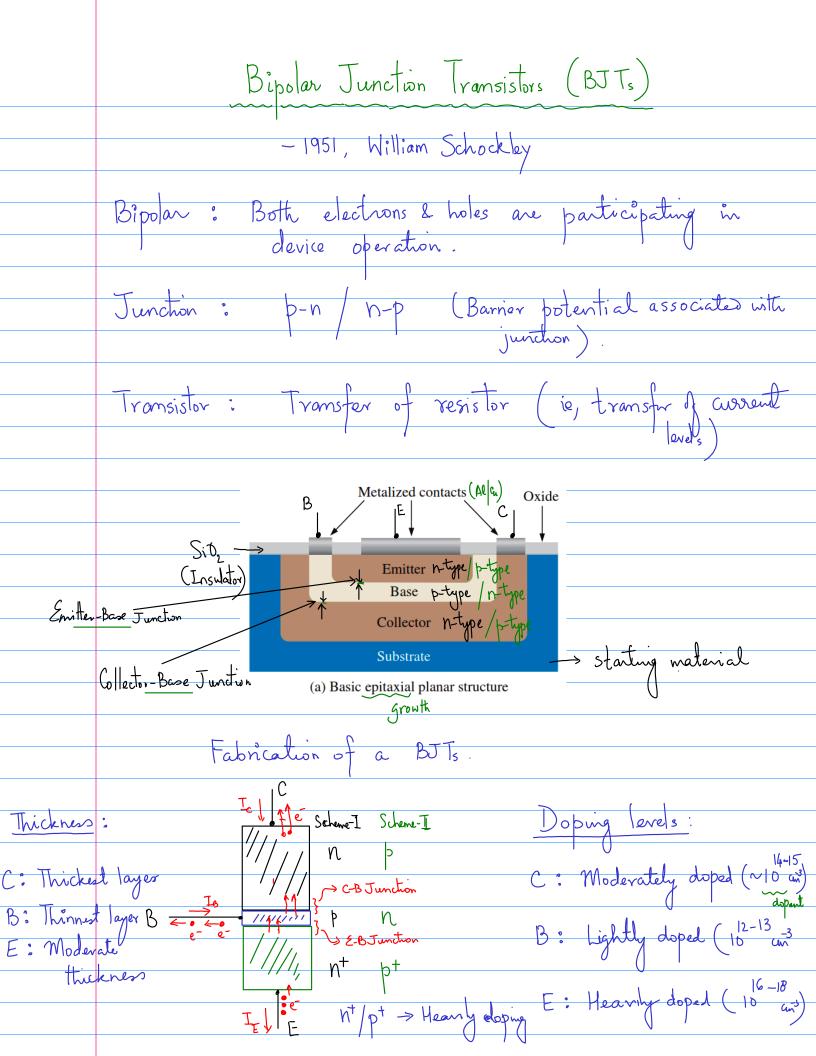


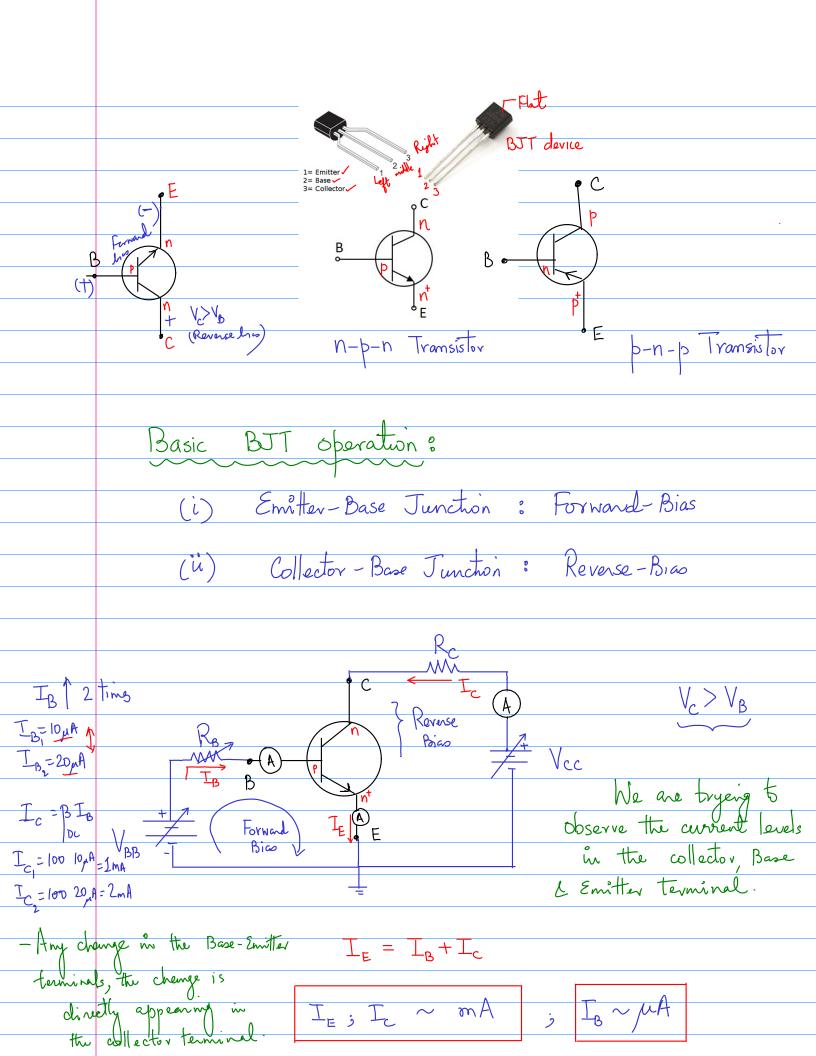












We define a parameter,
$$B = \frac{I_C}{I_B} = \frac{\nu mA}{\nu \mu A} = 100$$
 $B = \text{typically varies b/w} = 50 - 300$

Common-Enetter Current Gain (Boc)

Common-Base Current Gain (ADC)

Transistor DC Model:

Equivalent exti model

Biased BJT:

$$C$$
 $V_{CC} = I_{C}C + V_{CE}$
 $V_{DD} = I_{D}C + V_{DE}$
 $V_{DD} = I_{D}C + V_{DE}C + V_{DE}C$
 $V_{DD} = I_{D}C + V_{DE}C + V_{DE}C$