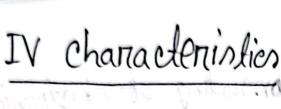
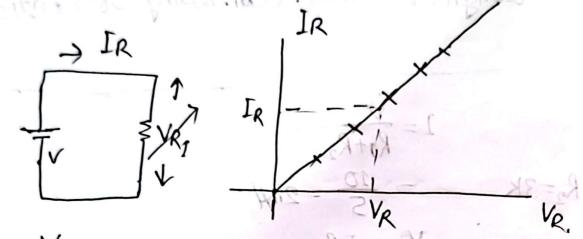
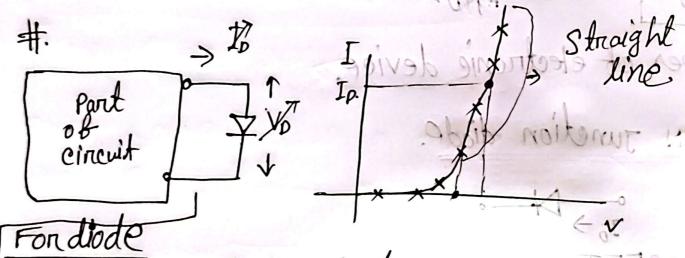
EE E - 205 class-1 * Analize and design of circuit. commissing of electronic device Rs=2K $=\frac{10}{5}=2ml$ Vin = IR2 V R5-2K. =2×3=61 $|V=10V| \rightarrow I = \frac{V}{R_1+D} \times$ #13 types of electronic device. 1) PN Junction diode. 21 MOSFE Will be Sim 94 Ip. . (1) time indicates, the characterist





$$I_{R} = \frac{V_{R}}{R} \Rightarrow I_{R} = \frac{1}{R} V_{R}$$
.

 $y = mx + c$

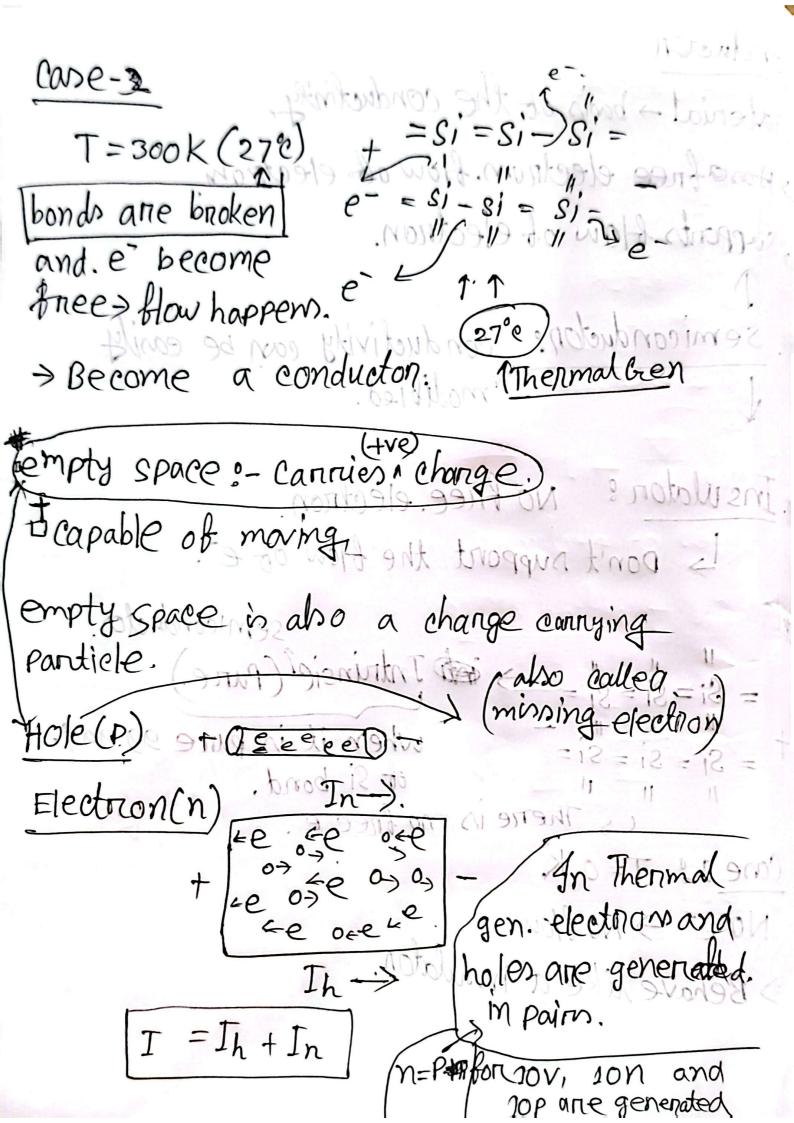


The curve will be similar. It

It curve vin - constitutes the characterestices estraight line indicates the characterestices

Resinton. N=10V cincult

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= Si = Si = Si = Thtrunsic (Pure) + = Si = Si = Si = When it is pure 99.99%. of Si bond. There is no free e. Cone 1: T = 0 K. No e > No flow. Behave like a invitation.



DOPING.

Extrunsic semiconducton. (Impure)

N- Type(n>P) P- Type (P)n)