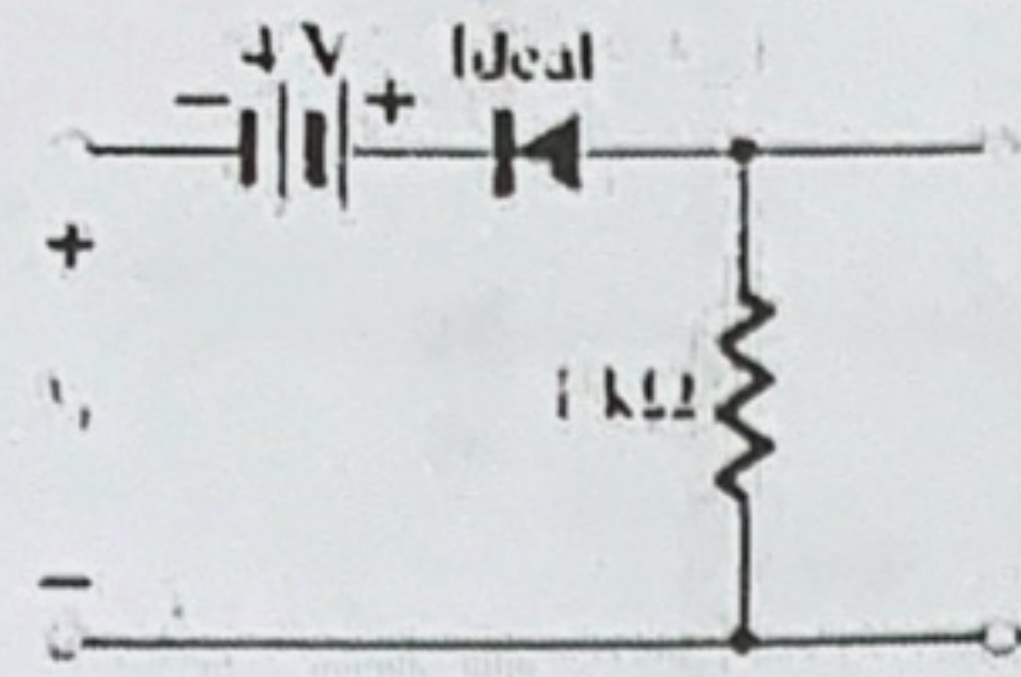
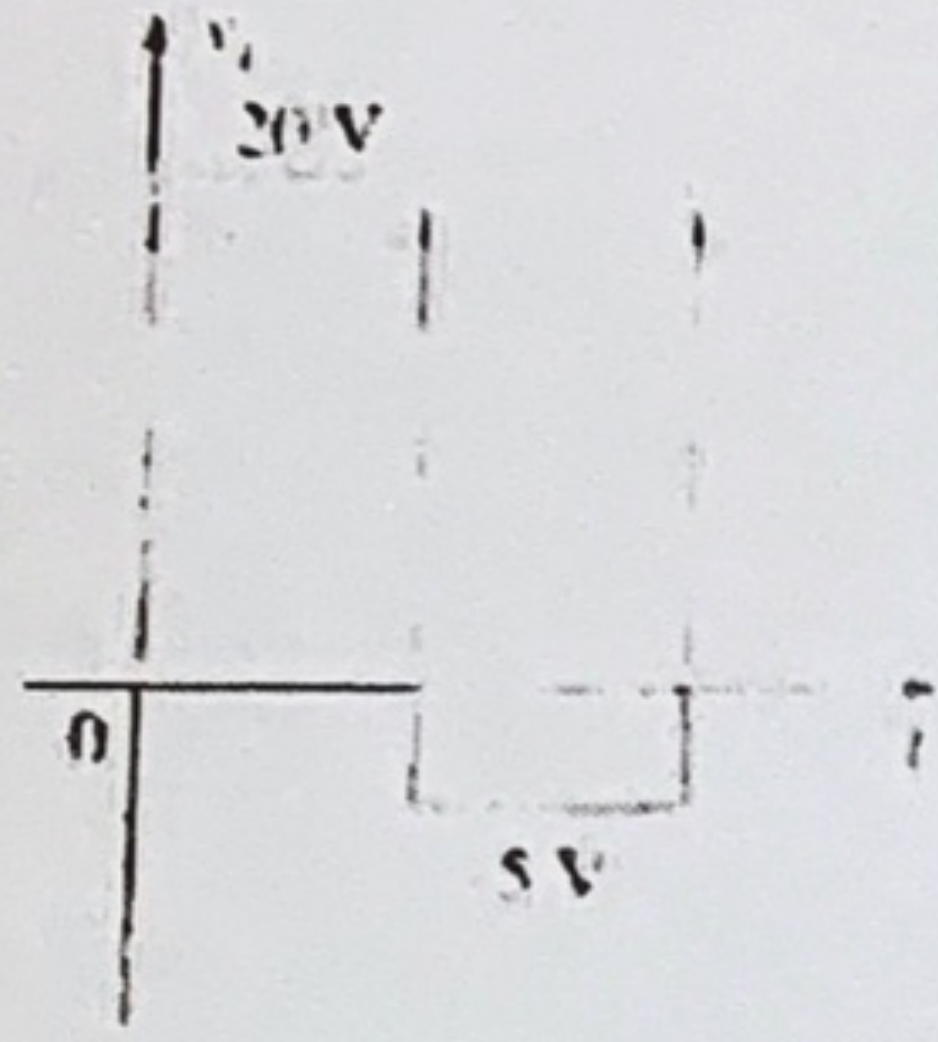
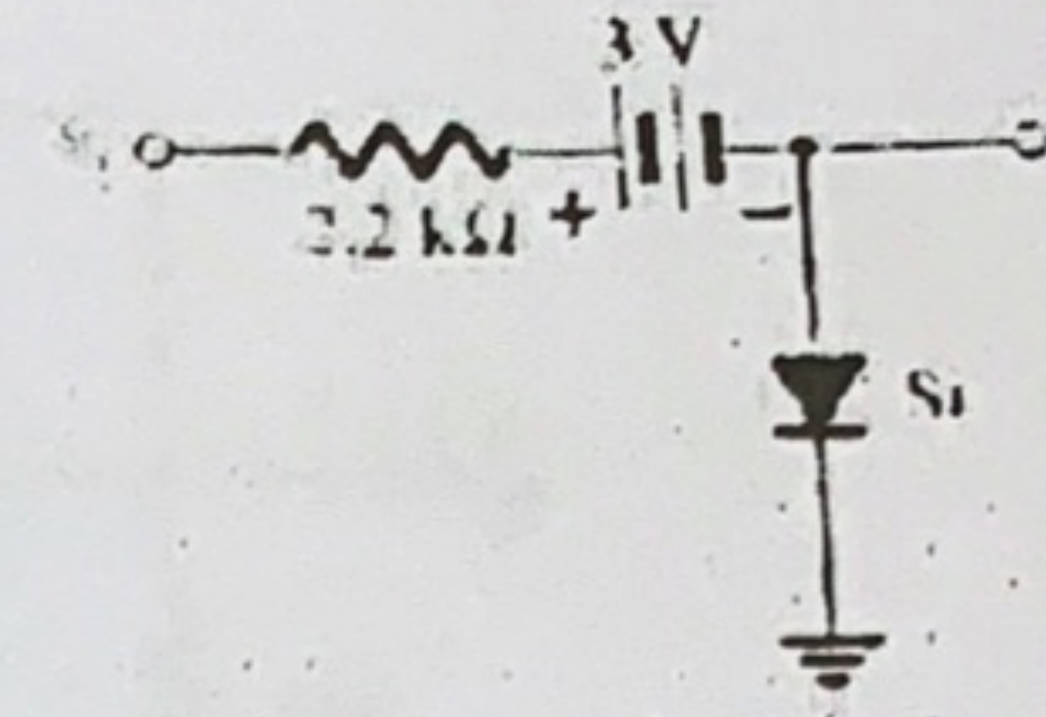
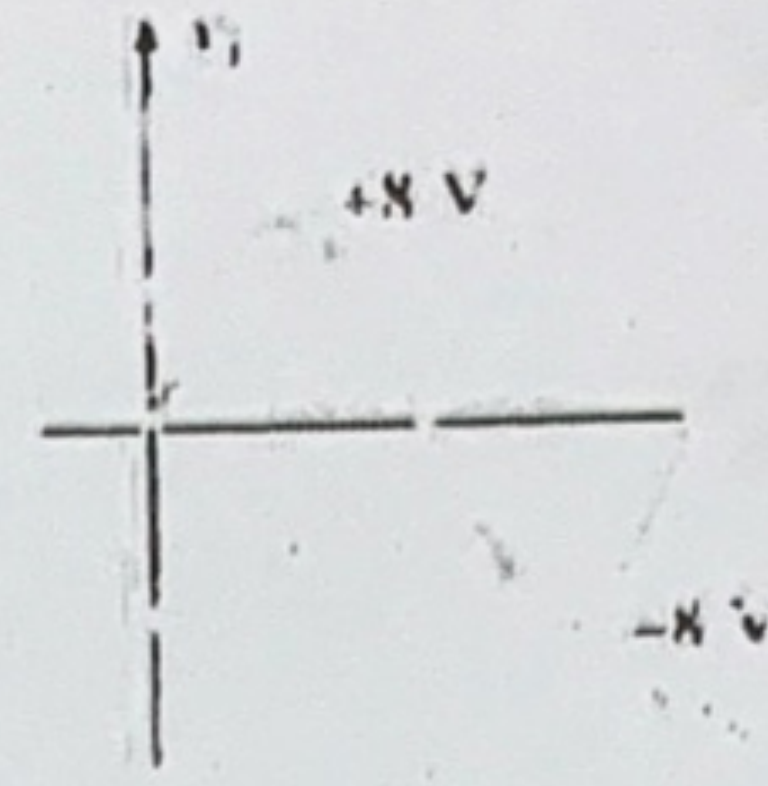


Q4: Draw V_o for each circuit (6 pt)

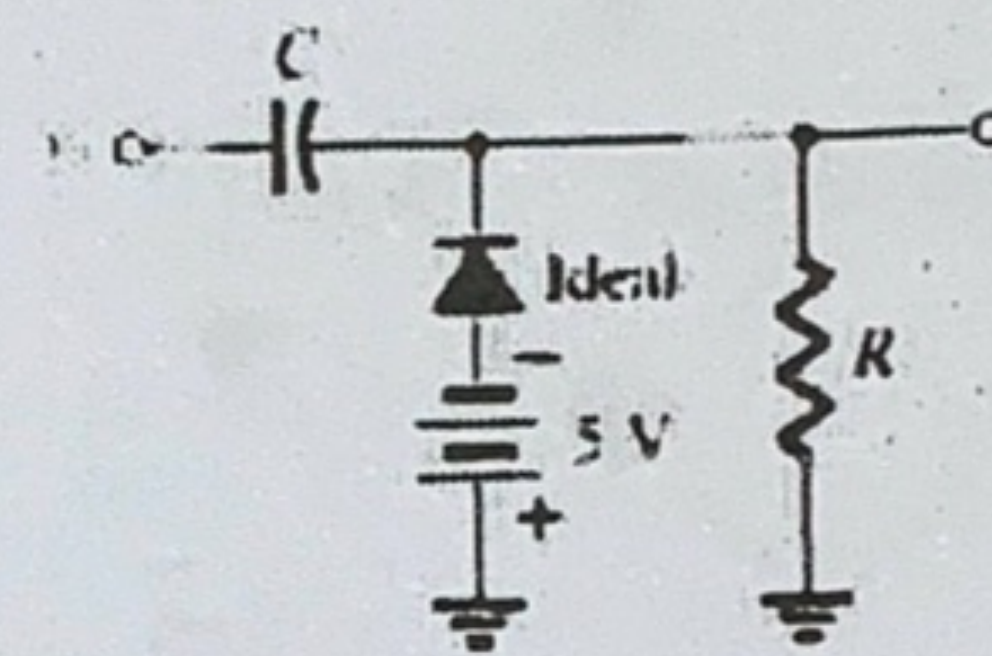
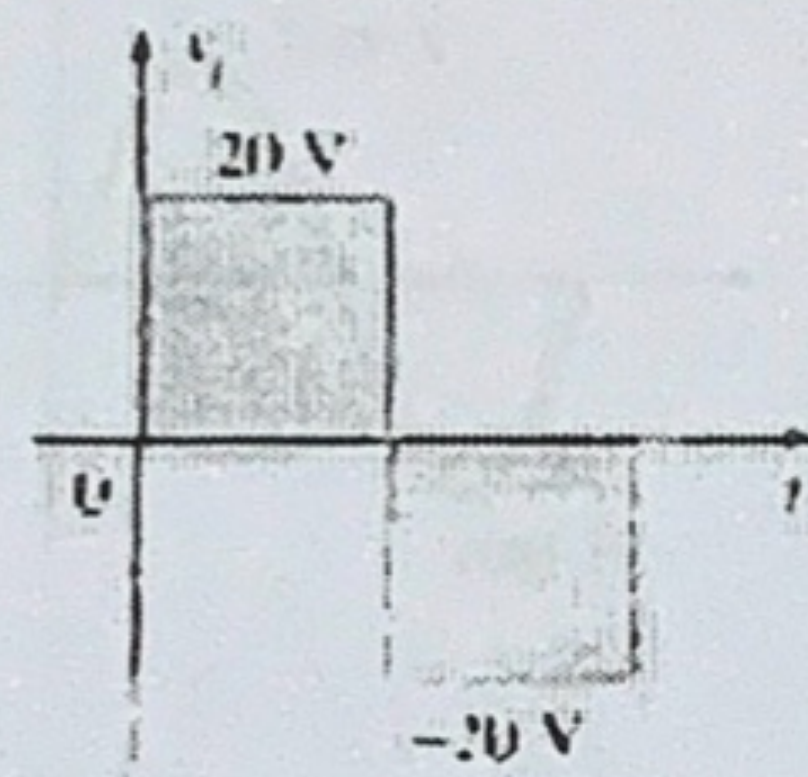
A: (3 pt)



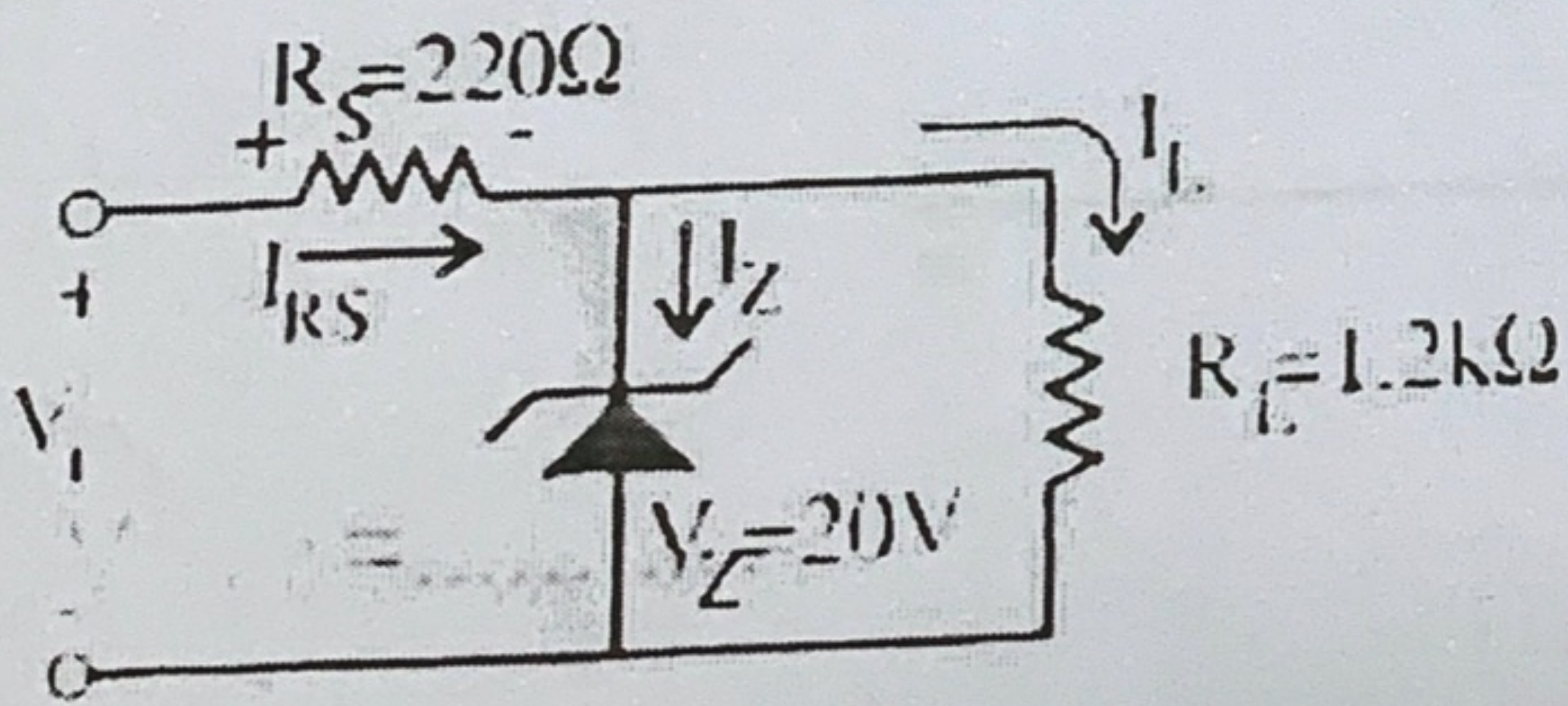
B: (3 pt)



Q5: Sketch V_o for the circuit below: (3 pt)



Q6: Find $V_{i(max)}$, $V_{i(min)}$ for the circuit below if $I_{Z(max)} = 60 \text{ mA}$ (5 pt)



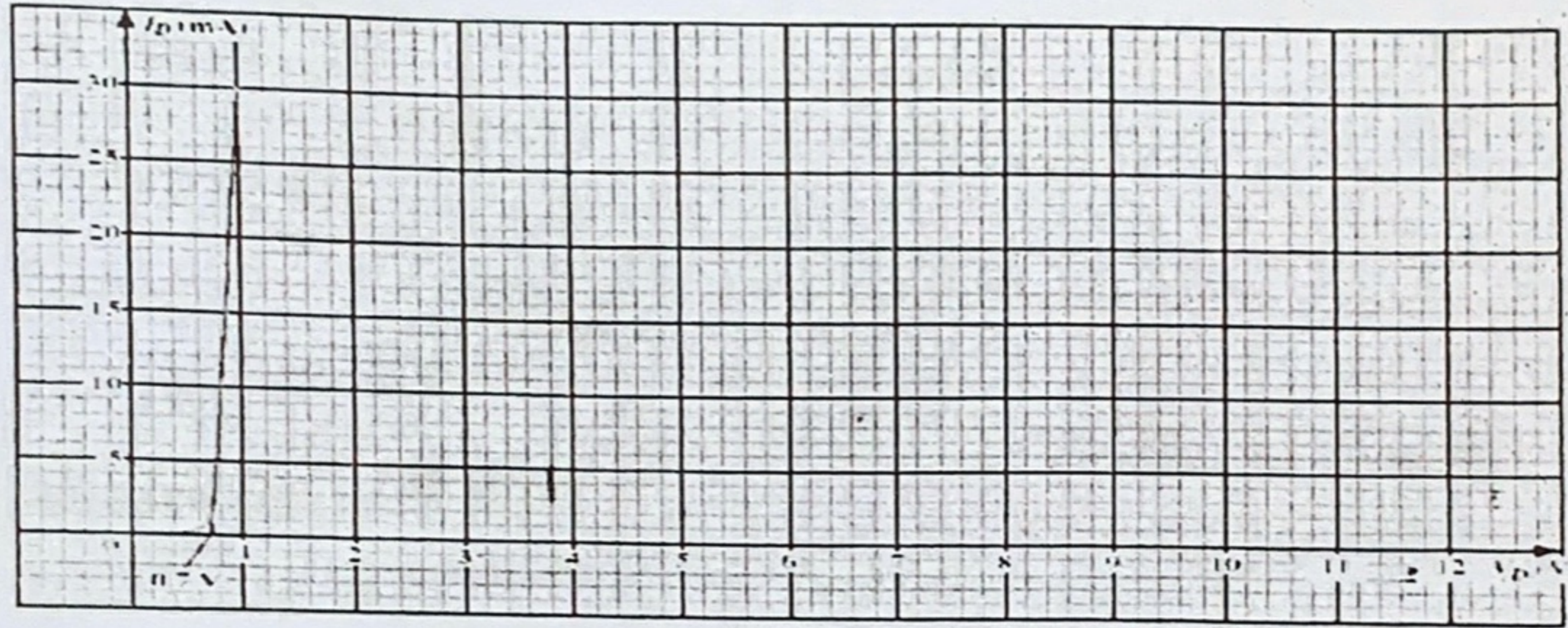
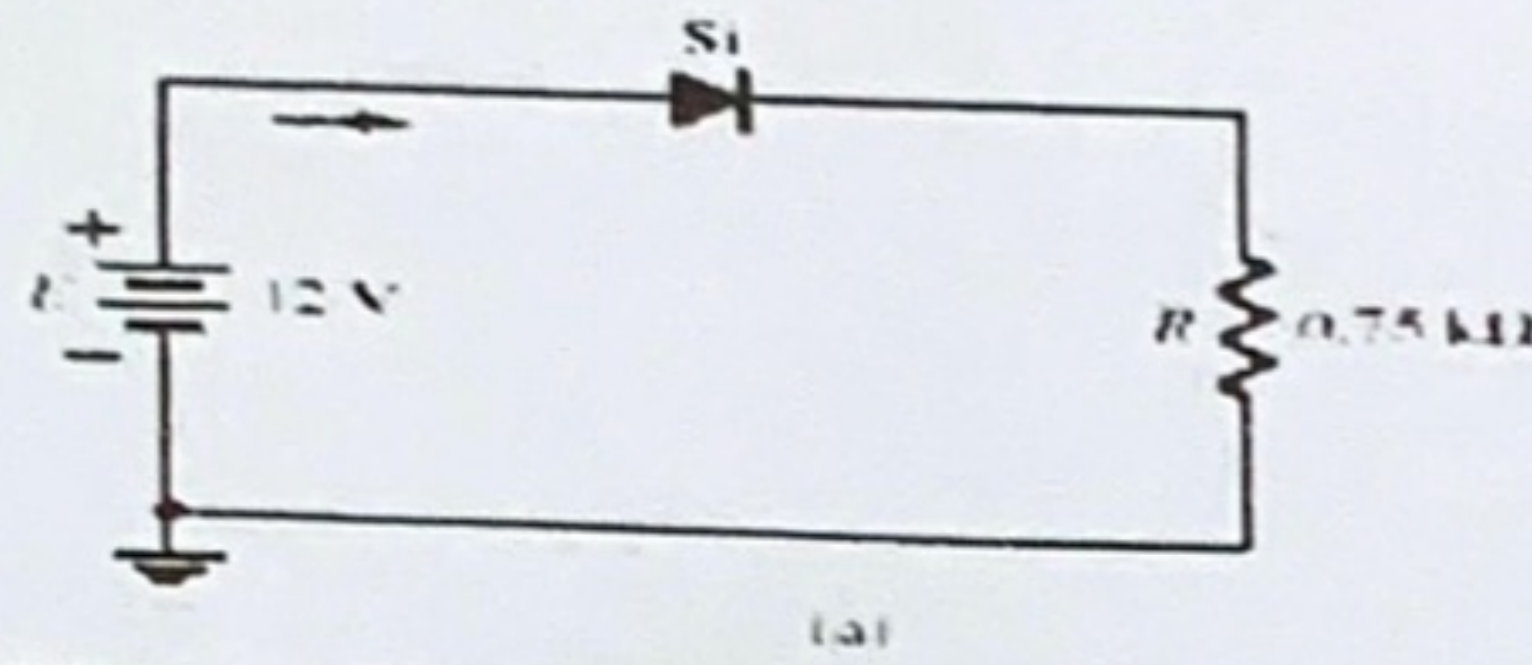
$V_{i(max)} = \dots\dots\dots$

$V_{i(min)} = \dots\dots\dots$

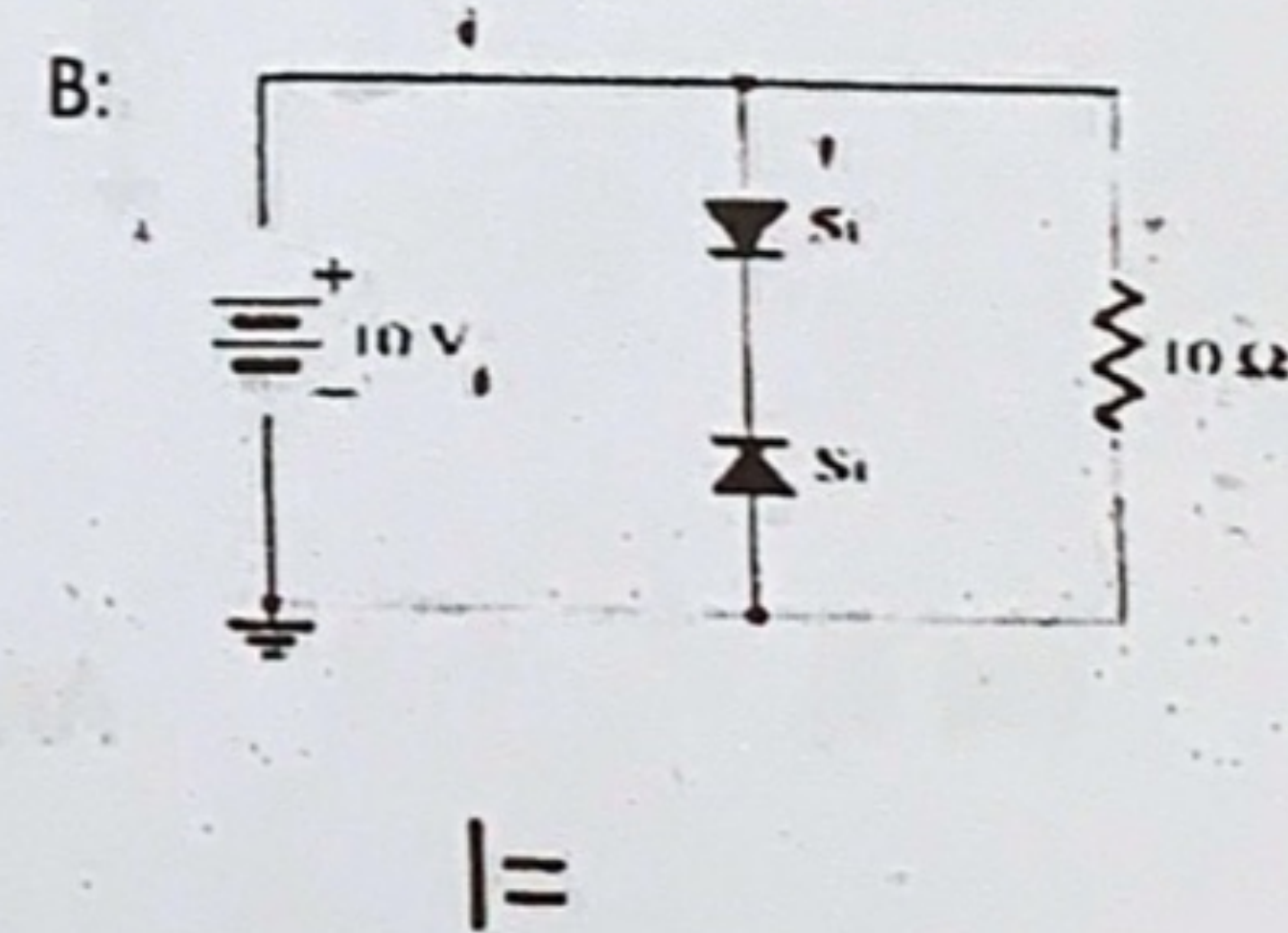
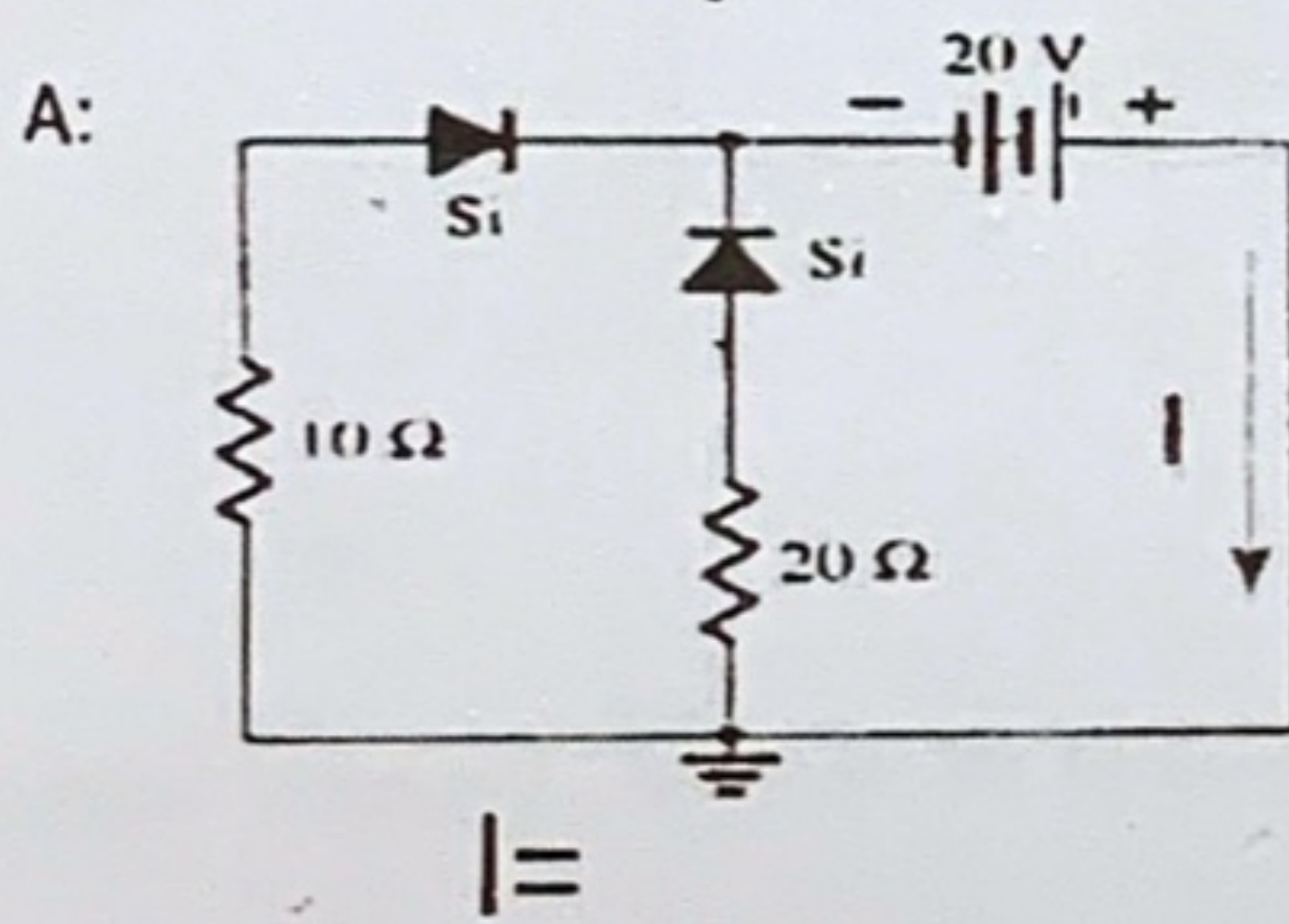
نتمنى لكل النجاح والتوفيق

الاسم
رقم القيد
المجموعة

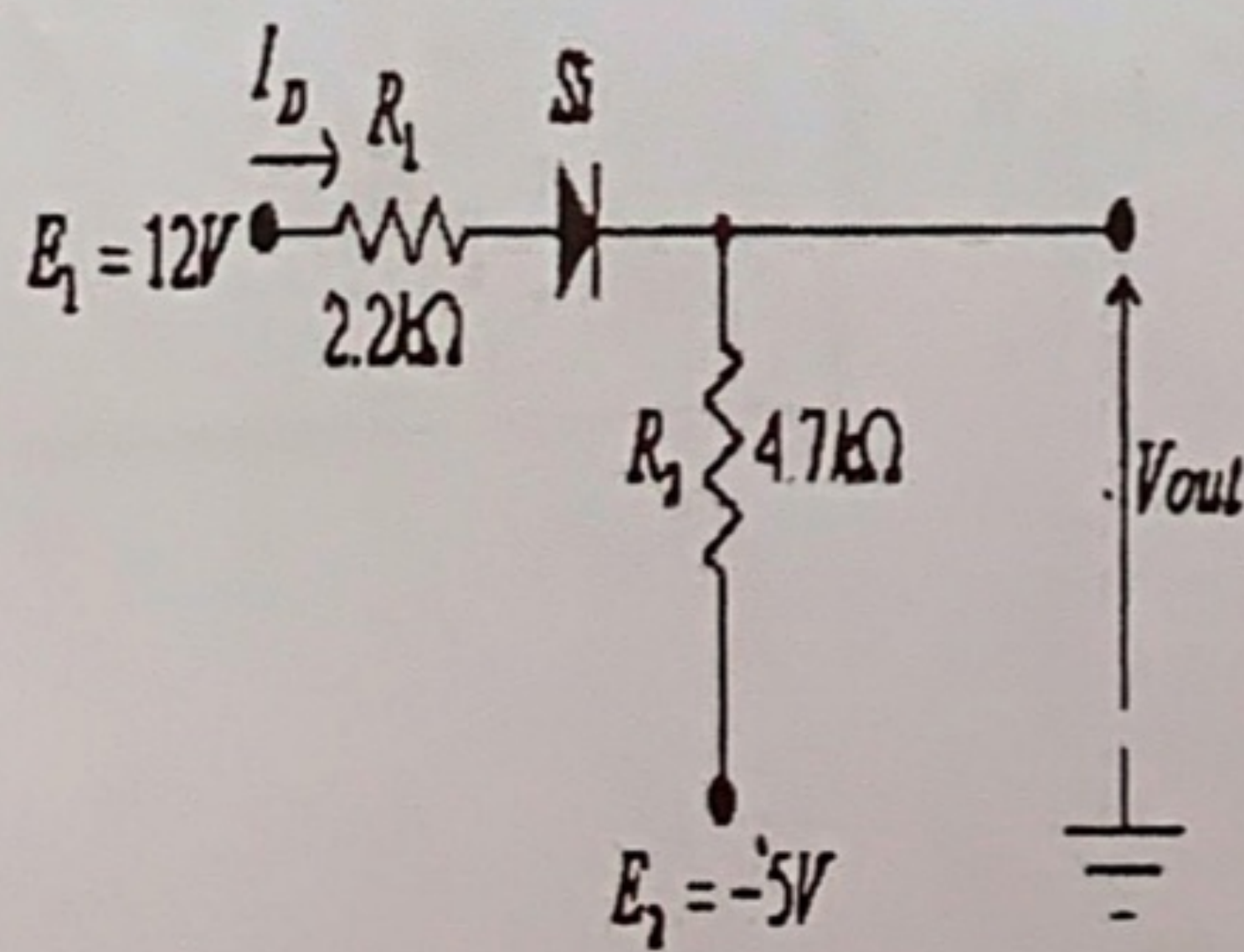
Q1: Using load line analysis find I_D, V_D . (3 pt)



Q2: Determine I for each circuit(3 pt)



Q3: for the circuit given below calculate I_D, V_{out} (5 pt)



$V_{out} = \dots\dots\dots$

$I_D = \dots\dots\dots$