National Taiwan University of Science and Technology Answer

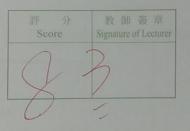
姓名/Name 張恒蒙

學號/Student ID BI1002110

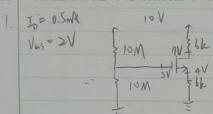
野級/Class #11-10-15

科目/Course title 电理

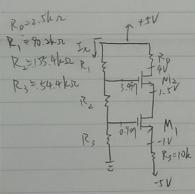
日期/Date 111.10.35



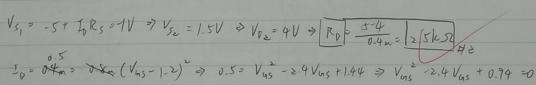
記分欄 促此處開始寫起。試卷用紙務須節用,非經主試認可不得續用其他紙張作答。/Please write from here.



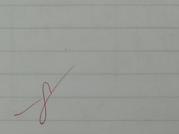
Check:



$$V_{1} = V_{1} = 1.2 V$$
 $V_{1} = V_{1} = 1.2 V$ 
 $V_{2} = V_{1} = 1.2 V$ 
 $V_{3} = V_{1} = 0.8 \text{ m/s}/V_{2}$ 
 $V_{1} = V_{1} = 1.2 V$ 
 $V_{2} = V_{2} = 0.8 \text{ m/s}/V_{2}$ 
 $V_{3} = V_{4} = 0.4 \text{ m/s}$ 
 $V_{4} = V_{4} = 0.8 \text{ m/s}/V_{4} = 0.4 \text{ m/s}$ 
 $V_{5} = V_{5} = 2.5 V$ 
 $V_{5} = V_{5} = 2.5 V$ 
 $V_{5} = V_{5} = 2.5 V$ 

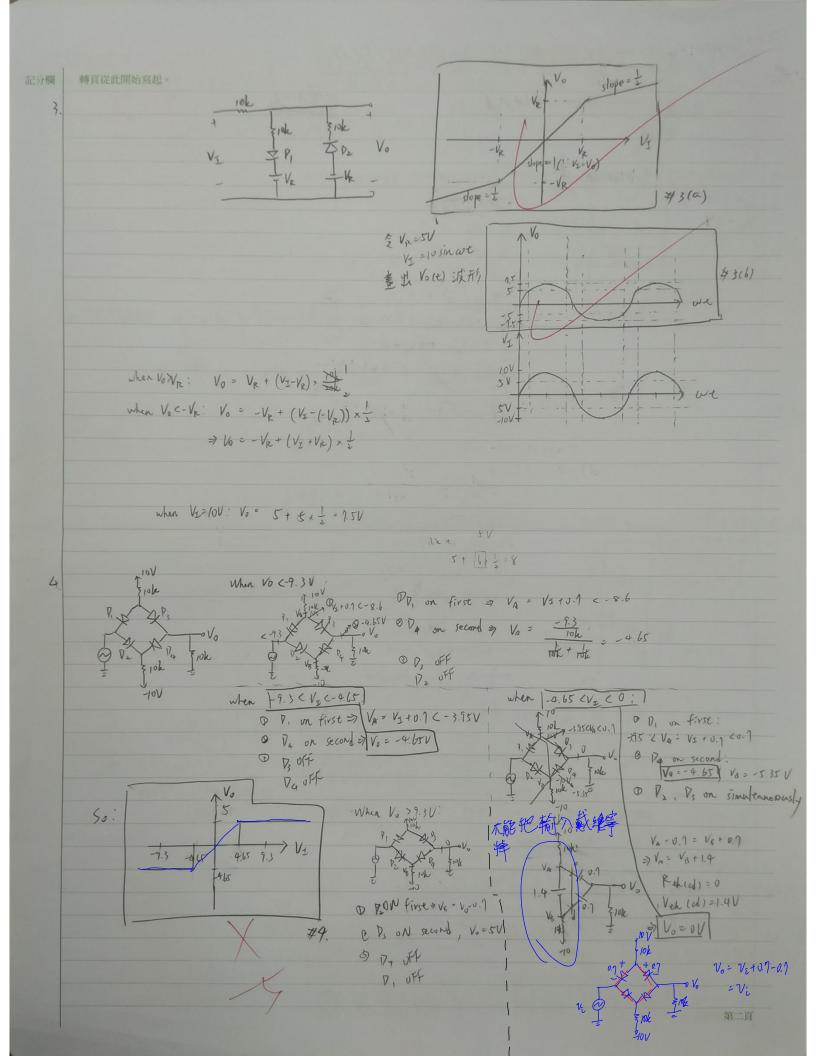


7 Van 3 0-901 , Vas 5.401 Ix = 10h = 10h 



> V45 = 0.493 ox 1.907

可轉頁再寫。



姓名Name 张龙

學號/Student ID B11002110

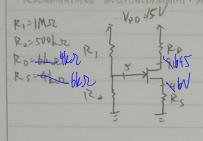
班級/Class Pで発子ンで

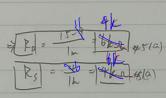
科目/Course title 电子学

日期/Date 111、10.5

記分欄

從此處開始寫起。試卷用紙務須節用,非經主試認可不得續用其他紙張作答。/Please write from here.

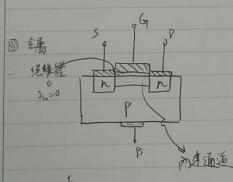




= + + 4Vms + Vcns = > Vms + 4Vas + 3 = 0 | X | Vas = -1V

(b): > Rp < 15-7 = 8km

空气型NMOS工作原理: 透過在 1/4 1/5 5/5 端加上壓差來使通道增加或減小來控制 ID Y 為使通道關閉之電壓 > Yr < 0



飽和條件: T V<sub>GD</sub> < V<sub>T</sub> → G-D端夹止 V<sub>GS</sub> > V<sub>T</sub> 非飽和條件: T V<sub>GD</sub> > V<sub>T</sub> V<sub>GS</sub> > V<sub>T</sub>

截止條件丁1/015 5/17

锐和區 外海色 截止區

一了ソリ、フロ:境が通道

Ti Vi ( Vas CO:減り通道

Vers=Vf. D-NMOS 截止