

PAGE:	—Xam	nA-	
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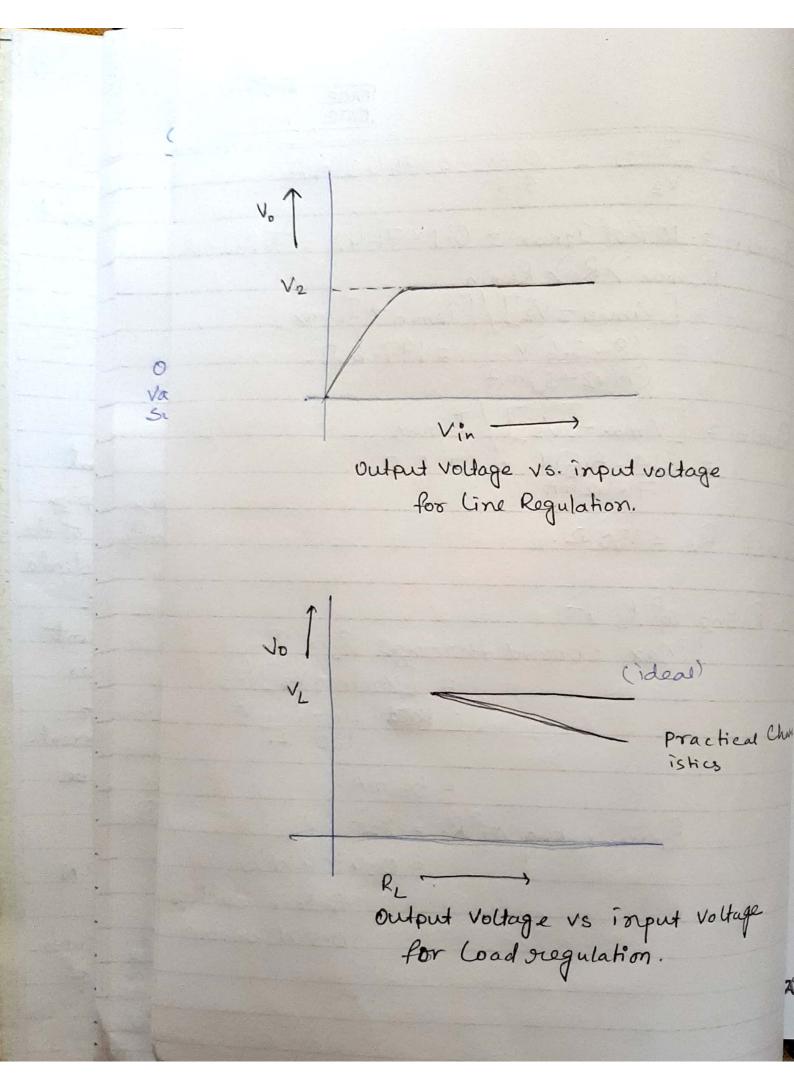
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Xaon 2°

V22°
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Jamas = Pmax = 0.4 = 71.42 mA. V2 5.6
Tamin = 10% of Ignax = 0.1 x 71.42 = 7.142 mA.
Rsmax > Rs > Rsmin
Rsmax = [Vinin-V2]/[Izmin+ILNax]
= (8-5.DV = 197.652 (7.142+5) mA
(7.142+5) mA
Remin = [Vimax - V2] / Izmax
= (14-5.6)V = 117.6 D
71. U2 mA
Select Rs = 150 12.
Power Rating of Rs:
Max wovent through Rs = Im
= [Vimin-V2]/Rs
= 14-5.6 V
150 12
= 56 mA.
Power rating of Rs = In XRs
= 0.4704W>>
Select Isoohms
0.5 Wresistor
Teacher's Signature

Jon 2°

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Linear 1	Regulation :	
		et constant at Ti = SmA,
		14 V and corner ponding
	tion are made.	
	Vin	Vo
	8	5.60
	10	5.60
	12	5.60
	14	5-60
Load F	Rogulation:	
16	engine input vol	tage at 10 V, the load current
in wall	a from 0 to 5 mA	and observations are made.
For taking	g reading corresp	ponding to no load (I = 0), the
Loading	reheastat,	
RL J	I mA	Vo (Volt).
1250	4.48	5.60
1028	5.45	2.60
856	6.54	S.60 S.60
703	7.07	5.60.
		3.60.

AOTA<sup>®</sup>

Teacher's Signature\_

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Pre Cautions: @ All the connections should be
proper, neat and clean.
@ Polarity of devices should be
checked.  3 Power should be twented off while construction of a circuit is in progress
construction of a circuit is in progress
Teacher's Signature