AIM: Design the double déode clippes césement Posétère champes and negative champes.

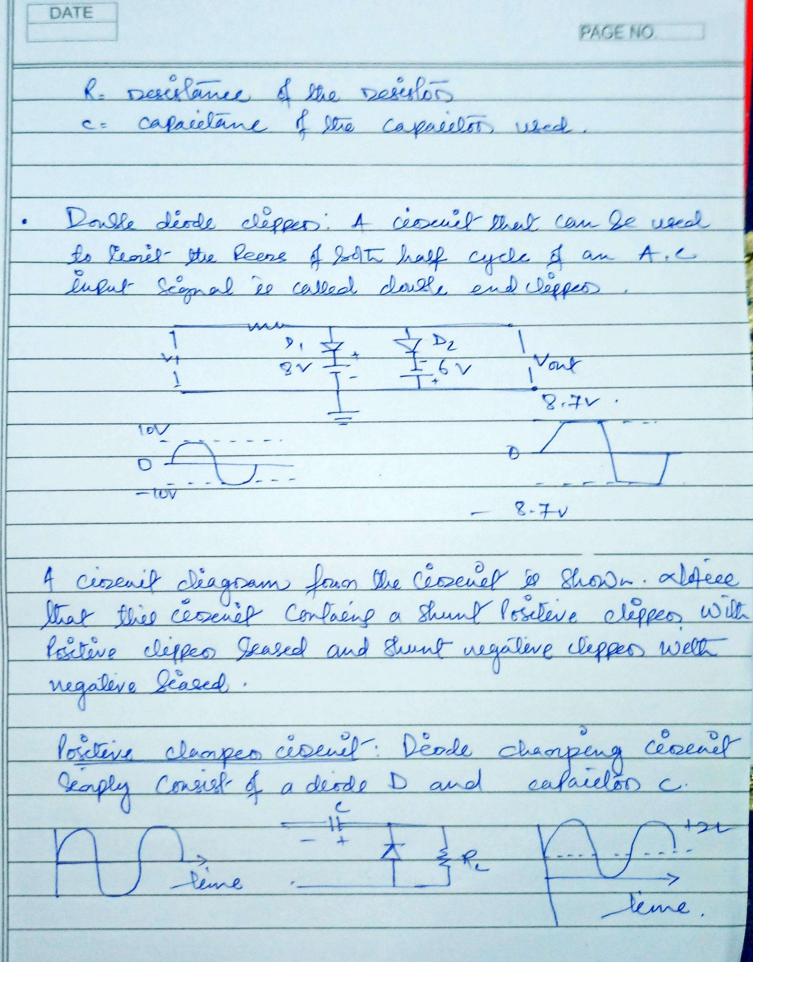
Affaratus: Le supply (2v=0-12v), Par Déode, Caracelos 4 tolet, connecting wice, servis (10ke). Social Social, multimetes.

Ciseuet Plat laker an input waveform and lies or cuts of ets top half, Lotom half to half halver logether.

Thes dipping of input signal Produces an input waveform that resembled a flathened version of the Enput. For Enample, the half wave seekfeire is a dipper ciosenet, Sence all vottage Selow zeroes are dienevaled

clambes, - A clambes ceremet that combe defended as the ceremet that consect of a deode, a sessister and a capacition that shieft the Waveform to decline De level without changing the actual affects ance of the waveform, the tack must be goeater than, half the level, discharging times of the capaciton should be ston.

Y= Re



Voltage en the décole : es forward siared and the current flows through the ceremit As a secret of the the capacetor a changed to a voltage equal to the negative Peak value 1-e - Vm once capacitor charge to - Vm el Cannot descharge Seeanse Ou devole connet to this capacelos all as a Sallery well an enf Egnal to the -Vm. the Polassety of the Voltage to Such that It adde to the liquit signal then the onlynd vortage is equal to the Euro of the Ac Signed and the Capacities Vistage Mm. 1.e Vin + Vm. · regalere clampes céseuet If we charge the Praisety of the deadle and capacitos, then the cerewith becomes regalere clampsos

Jonnéeling the closenet as less the jeven cèrenet déagonns Deleuliling the values of only theosis tically.

(a) Set the input Segnal voltage bar (V) 1 KHZ) using Segnal Operators ( O) Observe the output waveforn using CRO ( De-nodel ) De ble snaph is formed

Observation

	0		Dougle	diode cle	
			1 lenie (ms)		ME A STREET SE SUI SE SUI SE
			- and a	Votage liput (MV)	culput (nV)
13-			532.76	-4.9924	-2-874G
7	3		532.91	3.7245	-2,5952
	4		533-26	4.0048	3.7245
50	5	+	533.35 533.60	3-9341	8-9341
SP	7		533.76	-2.8122 -4.9924	-2.8122 -2.8745
e de la companya de l	8		-533-91	-2.5452	
00	9		534.13	3.7245	3-7245
	10		534.26	4.0045	4.9924
		-			Page 97 Table 19 Tabl

1	1	1	- War	7			12	l &			27	~	6			
		ontput	NB Jask (m)	6923	-608-8L	7.5354	-274-57	-686-28	1.9 tuz	6.0531	#53h	4.813	1. 78.99			
	DATE OF THE PARTY	lingue voltage	CMS	-419.32	-4.0730	x346.2	1.4494	-4.9787	-2.331)	8.38H	1.9787	3,1492	76.034	べつでする る		
	clambes	lime (ms)		91.517	21. 75 F	92.235	92.548	92.735	92.923	93.679	93.835	93.392	93.485	00 47		
	Voseterre	S.Alo		7	8	οή	8	5.	9	96	ک	6	b.			
(	3															

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ı	2	1 - 1 - 1	. 1
ı	3)	) alegaleire	Clampes
Ī	100	A	- Court
H		V	

-	-			
	S.alo.	lime (ms)	lipse voltage	ontput vortage
	SAKE	campally 31	(mv)	(mv)
	does	116.96	-1.3800	-2.6931
	α,	117.05	1.5225	318.64
	3,	117.08	742-55	2:4224
	∢,	117.24	4.9827	679.51
	5.	117.64	-3.9119	-7.1354
	6.	117.74	-4.9827	-7.5166
	7.	118.08	2.4227	742.55
	7'	118.27	602.94	4.9681
	9.	118.49	-3.7063	415-69
	10	118-64	-39119	-7.1554

## PRECAUTIONS!

- · the device should be cheeked bospersly
- le avoid wrong reading.

  Gouph Should Se formed Casefully.

  Readings should Se coss- Cheeked

avoid loos. the curves of graph should be han desawn.

The doseowalion a core lotter and the Wavelron of the don'the Moppes and Rosnet-

