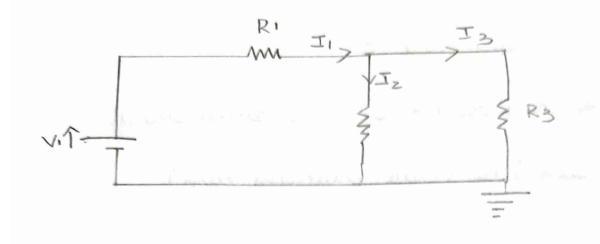
T			Page No.
	Enperin	ment - Z	
Aim: Veni	ification of KVL au	rd KCL using given	r circuit.
Riguiumi	nt: Multisem live	(mene. multisem co	un)-
Appauatu			
S.NQ	Appouatus	Specification	quantity
1	Mutinetur	Oigital	01
2	Power supply	DC Regulated	01
3	Burad Board		01
The second secon	to required "		
The second secon		spirification	
emponen	to Required :- Apparatus	spuification	Quantity
mponen	to Required 6°		Quantity
emponen	to Required :- Apparatus Resistous	IKN	Quantity
SNO.	to Required 6° Apparatus Resistors Resistors	1 KN	Quantity
SNO.	to Required 6° Apparatus Resistors Resistors	1 KN	Quantity
SNO.	to Required 6° Apparatus Resistors Resistors	1 KN	Quantity
SNO.	to Required 6° Apparatus Resistors Resistors	1 KN	Quantity
SNO.	to Required :- Apparatus Resistous	1 KN	Quantity
SNO.	to Required 6° Apparatus Resistors Resistors	1 KN	Quantity



10 10 iz

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	Date						-		
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· KVL status de - tund as and	a set to	lgebuie s	comple	all the	ualtage is zuw	encour	5		
of all the a	fo runnents	entuing	el no	at the	a funct	ion on			
Observation Table									
Tuput Valtage	VCRI)	V(RZ)	VCRS	I(Ri)	I(RZ)	ILES			
10	5.4608	u-5192	u.5192	5.4808	961.54	4,5192			
-	attov	LVJ	(v)	(MA)	(ma)	(MA)			
KVL loop (•								
10-IU)- ixu-7=0 I=I+IZ									
10-5.7 Loop D	+ D1 - 122(3 =>(2)							
2000			_						
4-7i1-izx1=0									
12 2	= 4-201 -1	2)							
Fuam @ and @									
10-401 = 10									
i1 = 10									
lovy kn									
11 = 961. BumA									
	· · · · · · · · · · · · · · · · · · ·					-			

Teacher's Signature _

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	quom € i2 = 4-7 i1
	12=4519.238 MA
	K.CL (Summation of currents through nodes is '0')
	1K 1K 4.7K
	L (47-4-4V-4-7V-V)=0
	47=9·4V+V 47=10·4V
	VZU.519ZV
	Result: Hence Kvi and Kci au unified.
	Pencantian: Circuit must be grounded-
	hauning outcomes:
-	The sum of all currents enturing a junction must be
2	equal to the sum of all annexes leaving junction. The algebraic sum of all the holtage around any closed look in a circuit is equal to zero.

