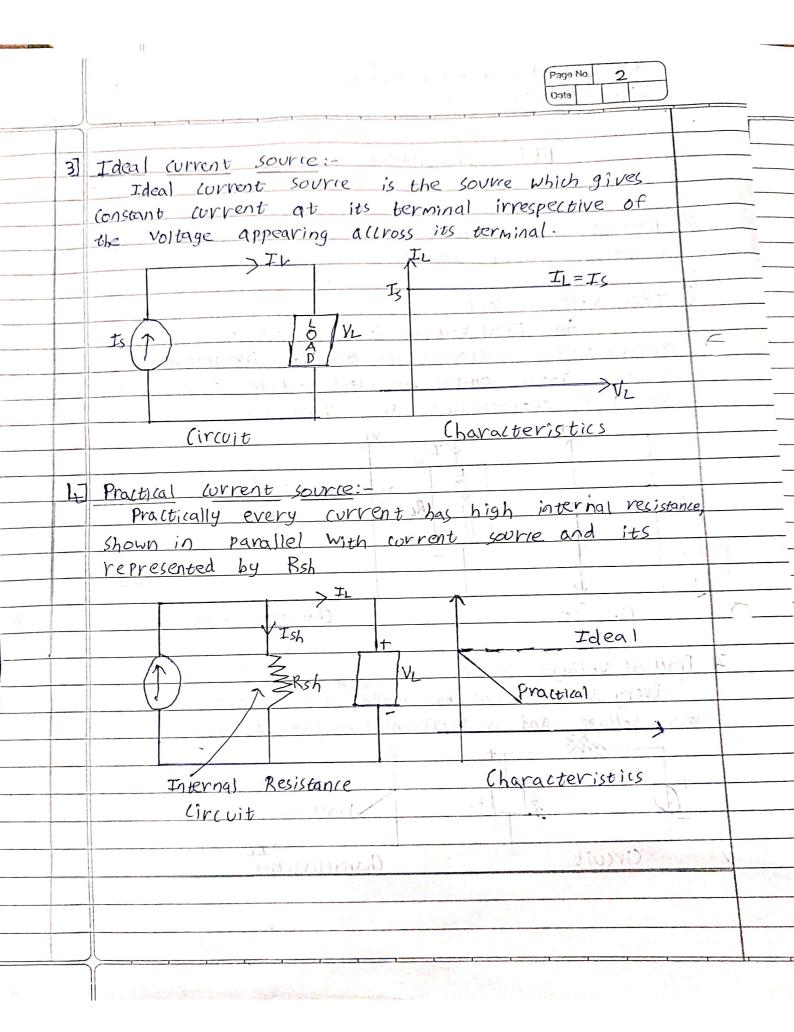
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	BEE Assignment	t-2	
	terminal integerage of	He to have the	
617	Explain Ideal & Practical	voltage sources & ideal	
41	& practical current sources.		1000000
→	7 Machines II.		
	Ideal Voltage source:		
- 	An They Voltage	Source is one which gives	
(7)	- Allena Accorditi	5 terminal mestigned	
	amount from symbol for	ideal voltage source	
	its V-I characteristics a	re shown in fig.	
		VL MOSTI	
	VI.		,
		VS=VL	
		VS III WILL OF COME STATE .	
	Vs D	a and bilder as made	
		10 See Roll Day Roll	
		T.	
	4	Characteristics	1
(1)2	Circuit	AK 1	
	. 123/24	The state of the s	
2]	Practical Voltage courte	small resistance shown in series	- Proposition of the last of t
	Every Voltage source has	small presignite shows in fla	
	with voltage and is vepreso	ented by Rsc as shown in fig	
	mise	Vi	
	+ 2001/201/201/201/201/201/201/201/201/201	Fdeal	
	(Vs) g RL	Practical	1
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The state of the s	Circuit	Characteristics	
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QI) State & Explain Superposition theorem.

Superposition therom states that in any linear bilateral Network containing two or more sources, the current in any element is equal to algebraic sum of current caused by indivival source acting alone, while other sources are insperative.

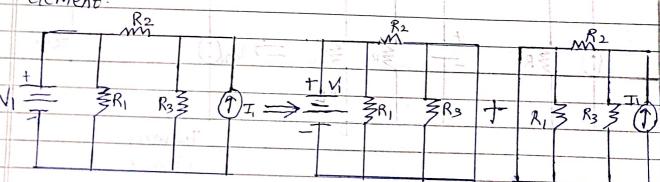
r. Steps to apply superposition therom:-

Step 1:- Select a single source acting and short the other vatage sources and open the corrent sources,

step 2:- Find the current through or the voltage accross the required elements to the Sourie Under Consideration Using a Suitable network simplification technique.

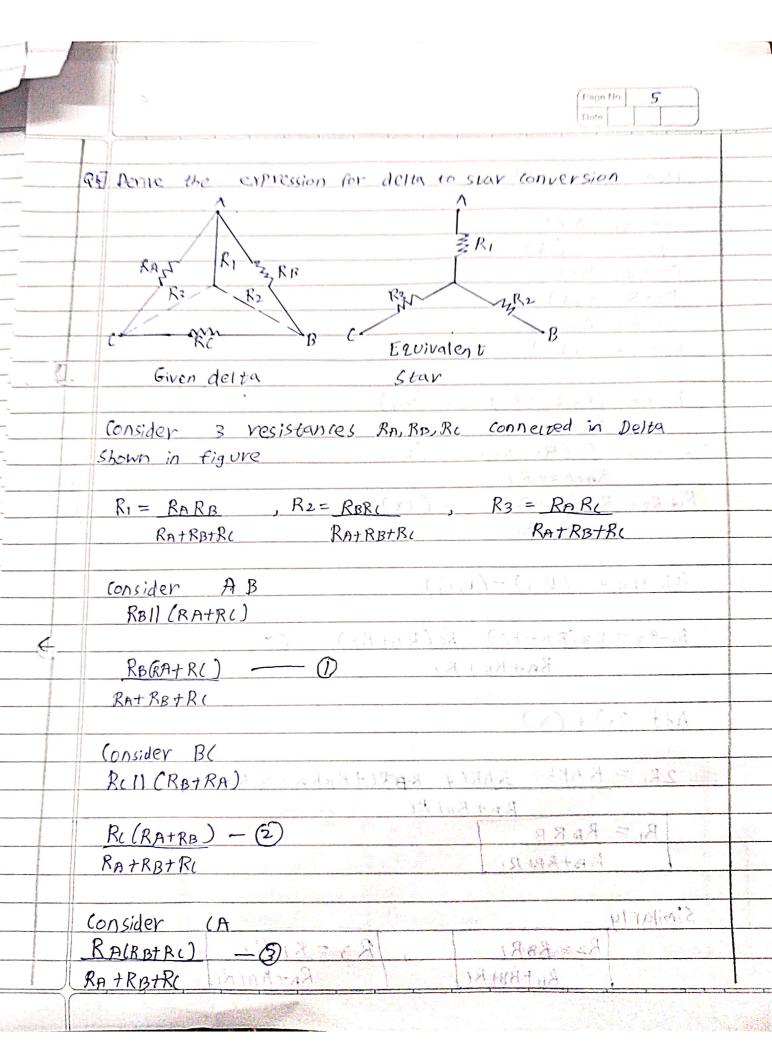
Step 3:- Repeat the above two steps for all the sources

step.:- Add the indivival effects produced by indivival sources, to obtain the total corrent in or voltage accross the element.



	Page No. 4 Date	
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737	State and explain therenins therom	,
•	State ment:	
	It states that any linear circuit containing several	
	Voltage sources and resistors can be simplified to	
1	a thevening equivalent circuit with single voltage	
	Source and resistance connected in sevies with load.	
•	Steps to apply therening therom:	
		15
	Step 1- Remove the branch the corrent through which to	
	be obtained and the second of	
	THE MERCHANIST SHELLING TO BE SHOWN IT TO	
	Step 2:- Calculate the open Circuit voltage VTH	
	THE STATE OF THE PROPERTY OF THE PARTY OF TH	
	Step 3:- Obtain Reg between Open Circuit	
	USAN A CHAIR FOR THE WAR CHAIR SECRET	
	Step 4:- Draw theyenin equivalent circuit and connect the	
	removed branct to find branch corrent	
	II = VIH	0
3	Il - Parto blanco without all blancing	
	Reg My	
	= 1 = 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1	
74	7	-
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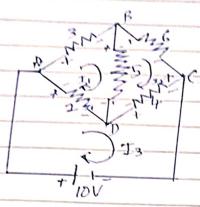
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	Priger No. 6 Onte)
	from figure (b)	
	Consider A + B	
_	$R_1+R_2-(iv)$	
_	Consider B+(
-	R2TR3 - (V) Consider A+C	
-	$R_1+R_3-(V_i)$	
-		
-	$R_1 + R_2 = (R_3(2A + R_1) - (V_{ij})$	
	0	and the second
	D 2 + R 2 - R / P . S 2 (
- department		A
	Retrotal	
	$R_{1}+R_{3}=R_{4}(R_{8}+R_{6})$ - (ix)	- Control of the Cont
	Rz +BBTR(
	(10.000 (10.000 (10.000)	and the second
4.	Substrait (Vii) - (Viii)	Principal Control of C
	Rellie August	Science of the second
	R1-R3= R3(RA+R()-R((RA+R8)-(x)	-10-
	RATRBTRC 11-	-
	PAT FREE EV	-
	Add (ix) + (x)	- Andrews
	(n. de - 178	de la company
	2R, = RARB+ BARC+ RARCHBORA-BORA-RARCI	
The control of the co	BATRBTRC BATRO	
	RI = RARB (3) - (BREAR) SI	
	RA+RB+RI STEAR	
	imilarly	
)		
	DONG DONG	
	RATRBYRC RATRBYRC	

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RR Lirchoffs Law calculate current flowing through



For Loop 1 $-3I_1-5(I_1-I_2)-2(I_1-I_3)=0$ $-3I_1-5I_1+5I_2-2I_1+2I_3=0$ $-10I_1+5I_2+2I_3=0-0$

For loop 2 $-6I_2-4(I_2-I_3)-5(I_2-I_1)=0$ $-6I_2-4I_2+4I_3-5I_2+5I_1=0$ $5I_1-15I_2+4I_3=0-(2)$

For 100p 3 $-2(I_3-I_1)-4(I_3-I_2)+10=0$ $-2I_3+2I_1-4I_3+4I_2+10=0$ $2I_1+4I_2-6I_3=-10-3$

From egn 0,0+3 II=1.11, I2=1.11, I3=2.77

-. Current flowing though RBC = I2 = 1-11

