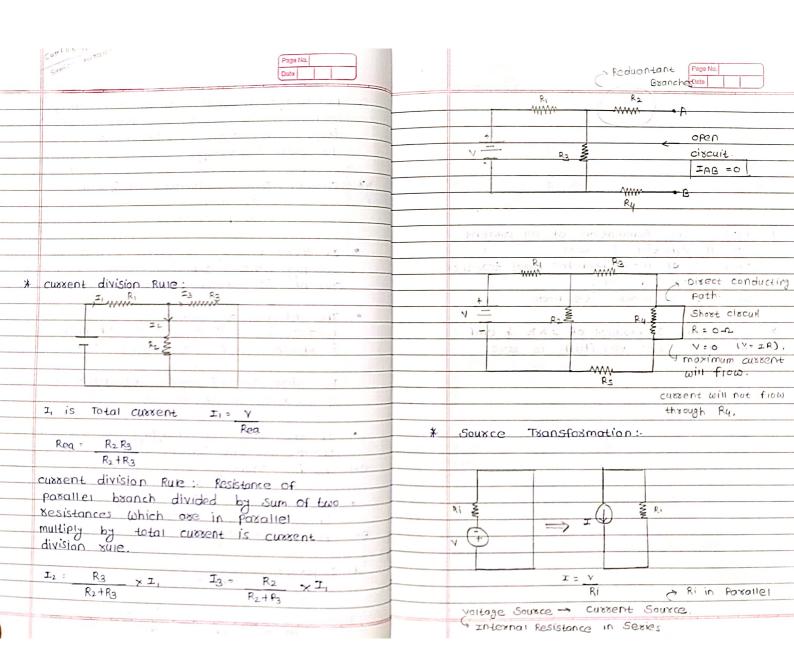
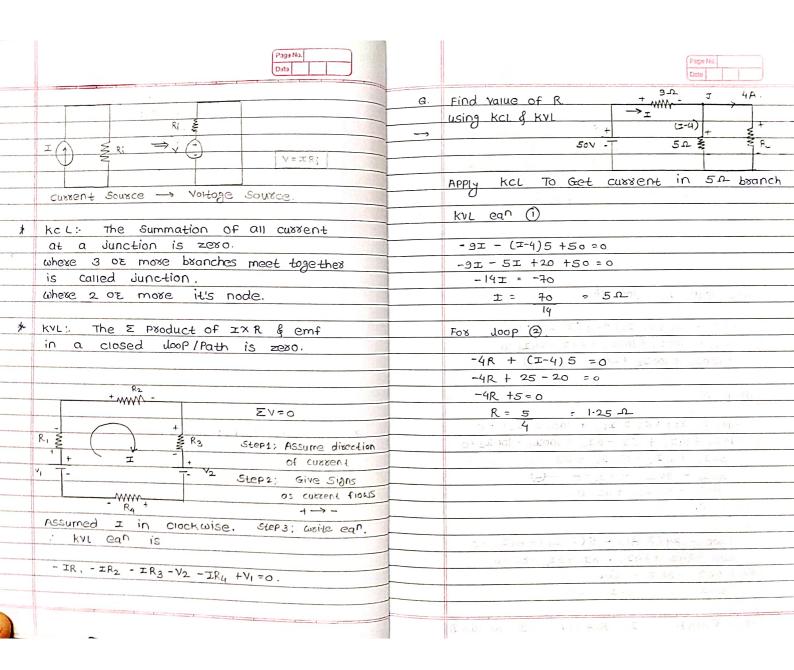
## DC ciscuits.

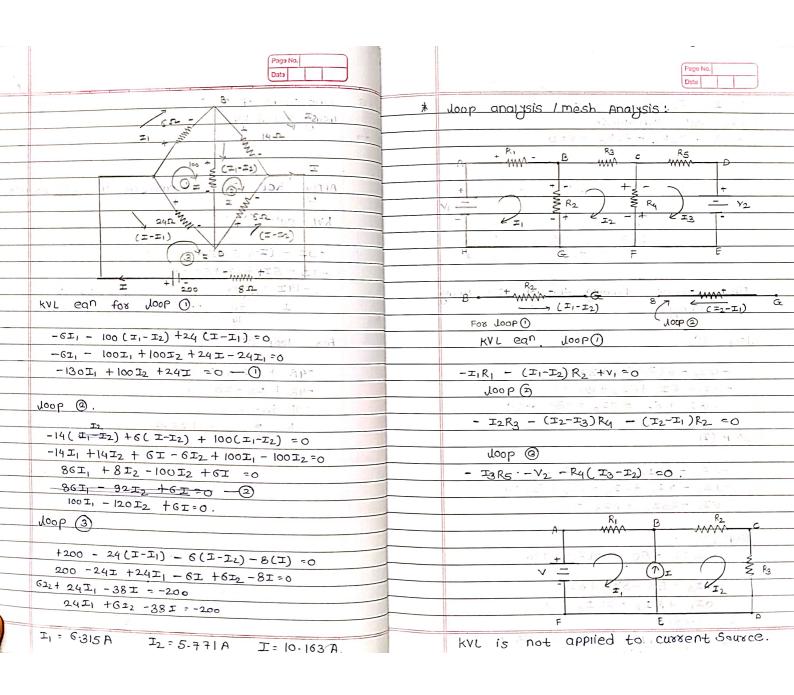
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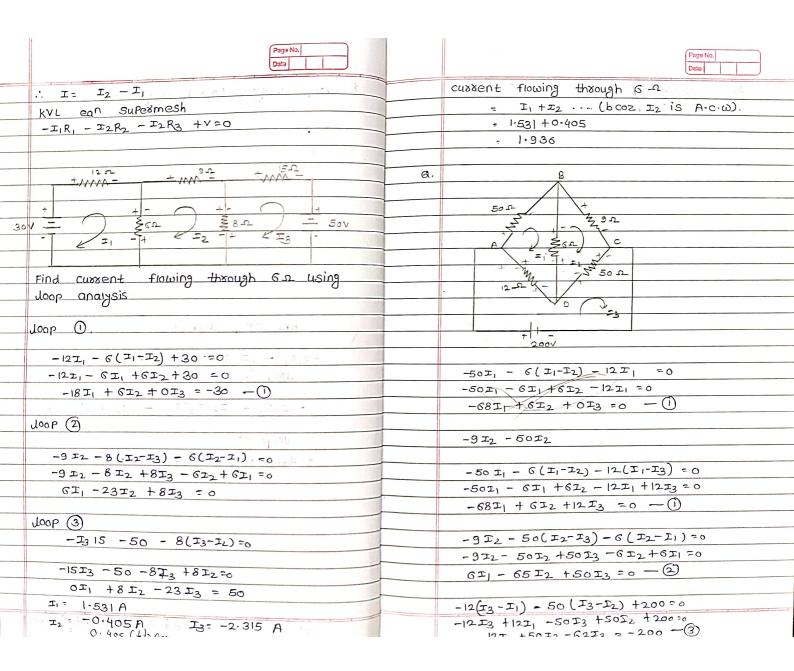
*	Network terminology					
Ex *	is it is a more of whitespare					
$\bigcirc$	Nodes: where the two branches of network					
	meet together is known as Nodes					
	contains of any pressure streamed &					
(2)	Branch: where the element is present in					
	between two points					
(3)	Junction: where 3 or more branches					
	meets together is known as junction.					
	si the District Missississis and					
	Every Junction is node but every node					
	is not junction.					
	Temple of heat of comment					
4	Active element! which gives energy to					
	network is known as					
ex:	Battery					
<u>(5)</u>	passive element: which consumes enexgy					
	from network is known as					
ex ;	Resistance, capacitos, Inductos.					
	SELIN - BEN - LIST SINGIFT -					
<u>(6)</u>	Loop/Mash: When theix is a closed path					
	in network is known as Mesh /100p,					
1	carriers - perotitive (seeds) 11					
*	linear of non linear network					
	which obey's principal of					
	Superposition but I/P & 0/P in proportion					
	Homogeneity V					
	Principal of Superposition					
	SEIP & EOIP is in					
(35)	Propostion.					

1	(Dan No.	1	
	any for passive elements not fundantely.		Frage No.   Date
*	unitatesal: cussent can flowing in only one disection is know as network		practically internal resistance is always connected in Series so there is Voltage
Ex!	diode is unitateral element.		drop such source is known as practical curr voltage source.
*	Bilateral: current an flow in both the		
	dixection is known as Bilateral network.  Resistor, capacitor, Inductor.	*	cuxxent souxce: fuxthex divided in  ij ideal  ii) practical
*	Lumped network:		
,	the elements like R, L, C etc is known as Lumped network.	•	If these no any divergene in beth the journey hence I/P side current = 0/P side current is known as ideal current source.
P	pistxbuted network:		The internal resistance is connected across
71	If we cannot easily		Paxallel booz divezgene will happen is known as practical current source
	identify the elements Such Network is		
GX;	overhead transmission cables /line.		For ideal current Source internal Sour
7	the meaning the second control of the		resistance should be on.
*	Enexay Sources!  There are two types		If the value is changing wat time is
0	Voltage source: further divided in		All Ac Quantity
7	ii] practical Voltage source.		If the value is not changing wat time is known as time invasient sources
0-	If Supply Voltage = Output Voltage the	6×;	All DC Quantity
	If Supply Voltage = Output Voltage the it is ideal Youtage Souxce  If there is no any drop of Voltage  Souxce is known as ideal.	*	Departent
	For ideal Voltage Source internal resistance is 'OV'.		









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