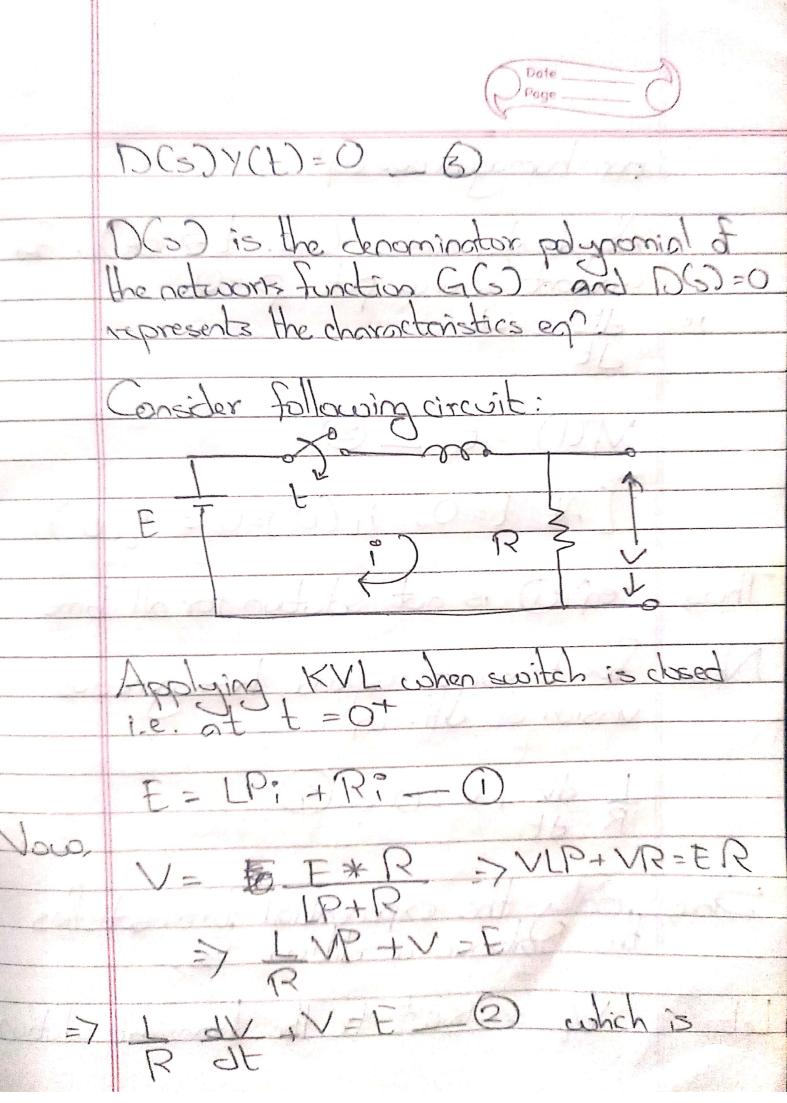
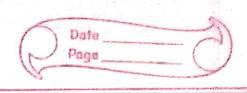
4	Date Page
1.	
	Transient Response Steady State
and make the state of the state	
	It is the response of It is an equilibrium
	a system to a change condition of a circuit
	from an equilibrium or network that accurs
	as the effects of transients
	as the effects of transient
	O '
20	System's unstable During steady state
	during transient a system is in relative
	response. stability.
3	It provides It gives intermotion
	information about about
(i	Initialization (when i) Steady State error
	system resorded 11) Notore of error
	to incut) (constat or varying
117	Bate I isse of worth time
	atput writ. time iii) Accuracy of system
1117	Vature of response
	: exponential or
Marketing of Proper commences in contract	oscillatory

Transiert Reporte Soldier The source is made to zero then the differently equation converts to homogeneous vision. Greneralized procedure for finding bronsient General form of diff-eq is given by DCP). YCF) = NCP) f(E) _O eg O represents the non-homogeneous diff homogeneous version of diff. ed is obbained by setting f(t)=0 ie. according to the Attendance of a color con the majorical formation of the color con the majorical formation of the color color con the majorical formation of the color color





con-homogeneous eg.

At steady state (i.e. t=700). for constant source put p=0
i.e. du=0

VF(F) = E _ 3

[At t=0, 1, (0)=0=1(0)

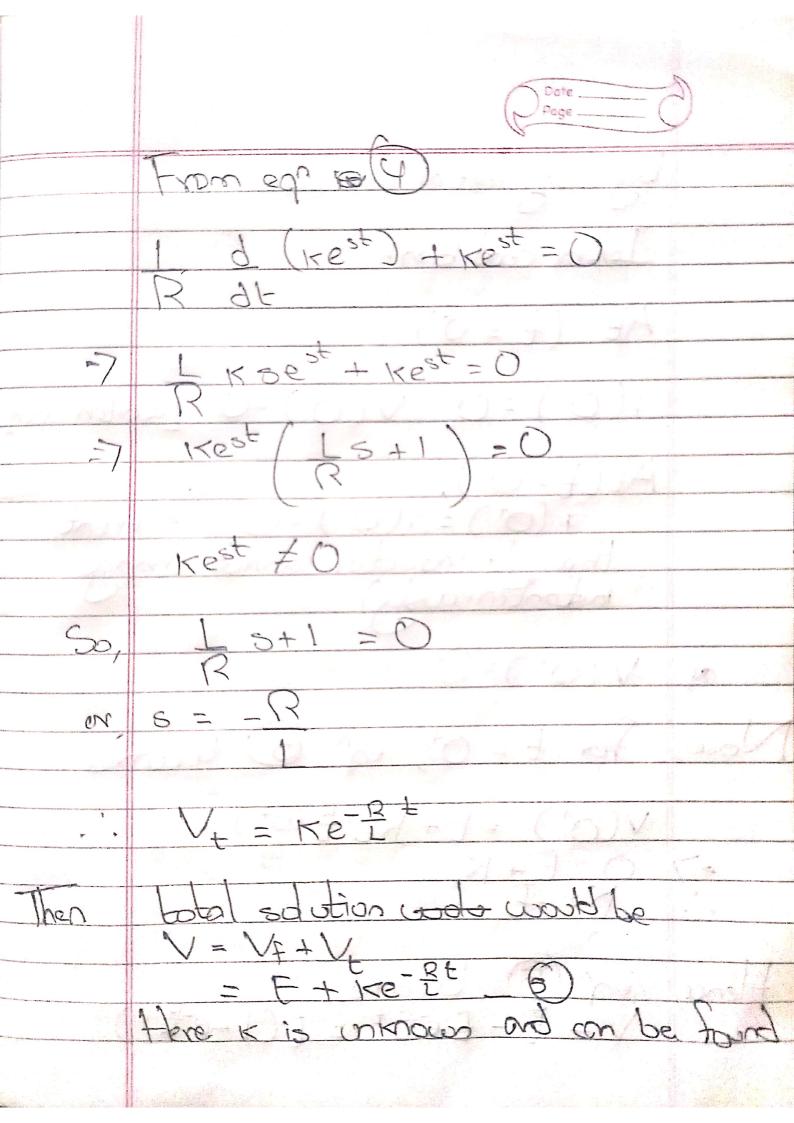
Thus, eq (1) is not solution for all time

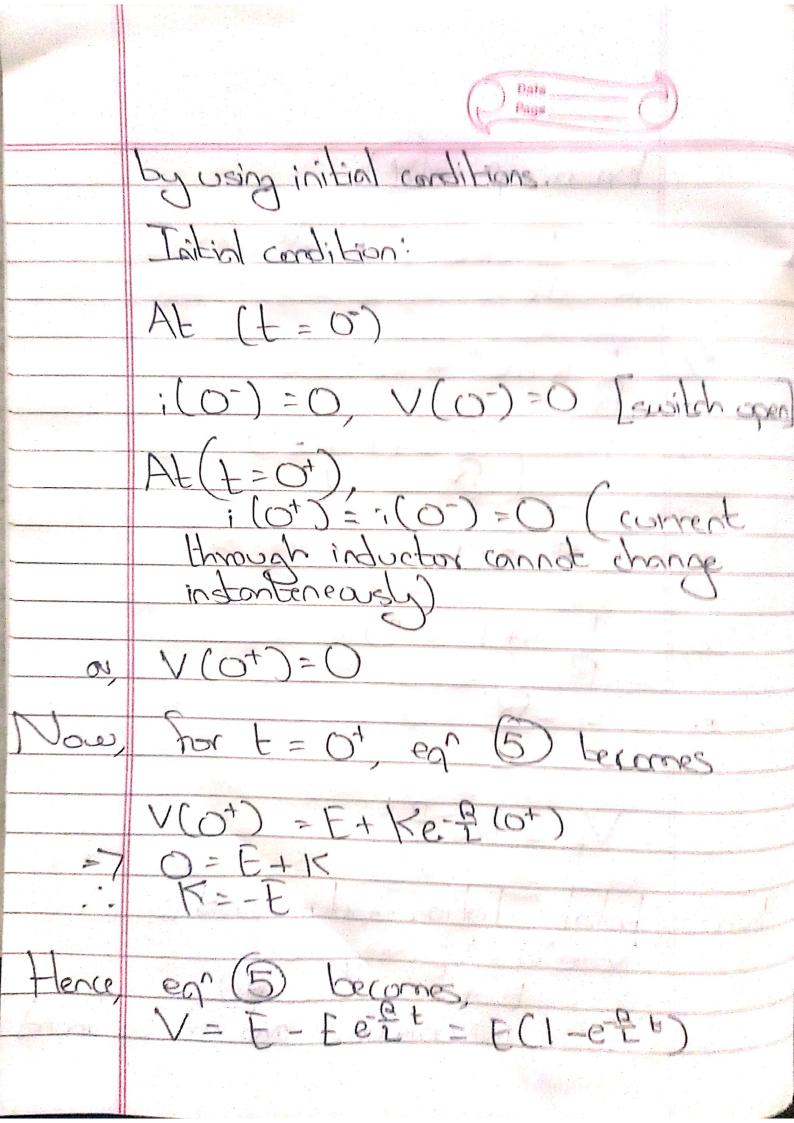
Now, for transient response, hangeneous version of diff. co

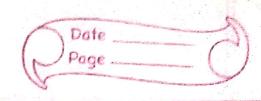
R dt + V = 0 - (4)

Since, youly the exponential form satisfies the Soloove condition So,

U = Ket be the transient solution







which is the required solution