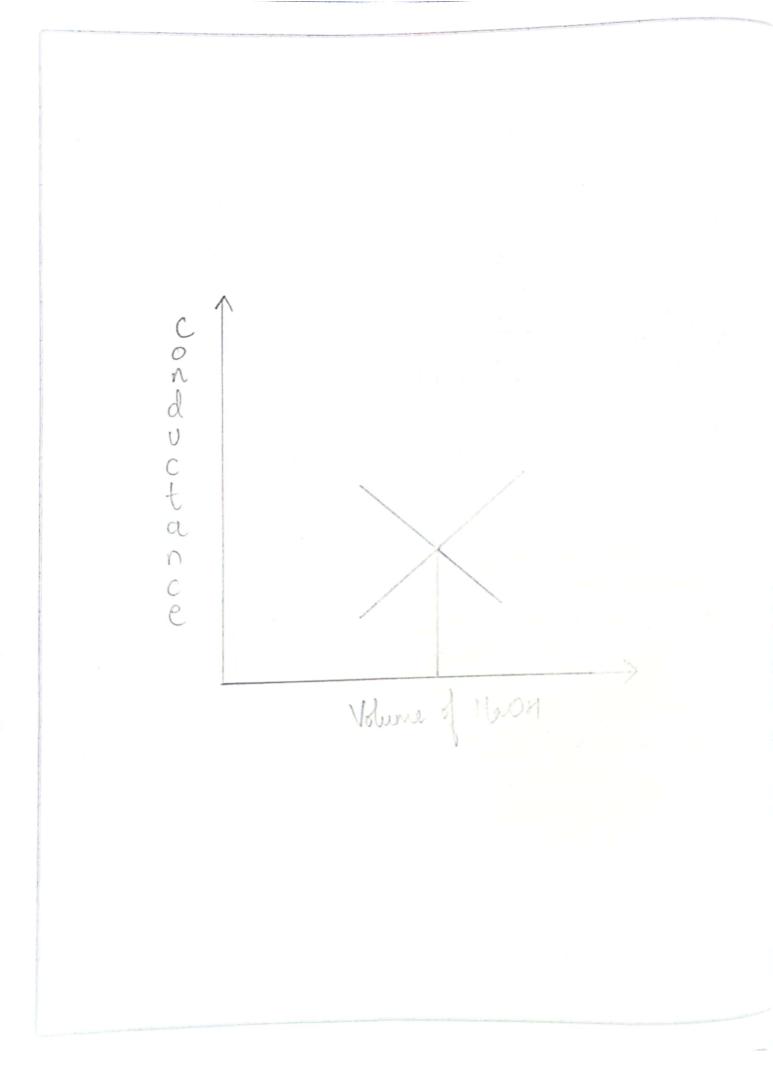
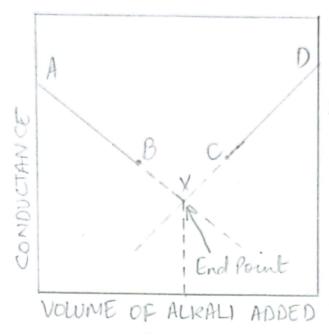
	Date 27-9-21	
Expt	Expt. No Page No	
	CONDUCTOMETRIC TITRATIONS	
	DETERMINATION OF STRENGTH OF HU	
	THEIR IN THE	
	AIM:	
	To determine the strength of a given robution of 400	
	To determine the strength of a given solution of HCl by conductometric titration with a given NaOH sol.	
×	APPARATUS REQUIRED:	
	Conductivity meter, conductivity cell, glass red, beakers, burette, pipette, standard flask.	
	burette, pipette, standard Hask.	
*	PEACIENTS REQUIRED:	
	HCl, NaOH, Conductively Water	
_		
欠	PRINCIPLE:	
	The principle based on the measurement of the change	
	of conductance with the help of the conductivity	
	meder. The conductance of the solution depends on	
	of conductance with the help of the conductivity meter. The conductance of the solution depends on the number of ions and their iconic mobility.	
	PROCEDURE:	
7	Make up the given Hel solution to 100 ml in a standard flask.	
	Plask.	
	Ripette out 10 ml of the made up HCl into a beaker. Delute the solution with distilled water, so that the	
	conductivity all can be immersed well in the solution.	
->	ti the solution well with the last of the solution.	
	the to down the conductance of the saletic to	
~	Stir the solution well with the help of a glass wood.  Note down the conductance of the solution from meter.  Fill the burette with standard NaOH solution and run	

Teacher's Signature \_\_\_\_



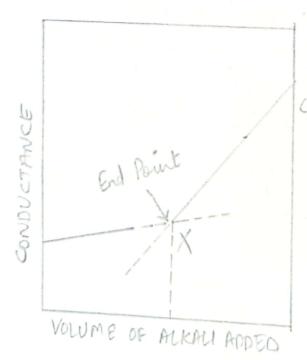
## (1) STRONG ACID ACIAINST A STRONG BASE:



E1: HCl vs NOOH

HCL+NLaOH-> Nat+Cl+H20

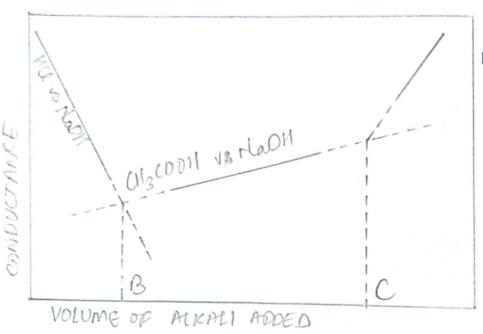
## (2) WEAK ACID AGAINST A STRONG BASE:



CHISCOUNT VE NOUTH

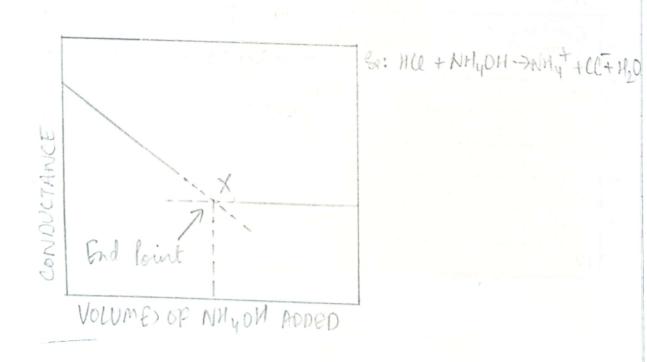
CHISCOUNT NOUTH > CHISCOUT NOTE

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-0.000\M	710.10.		
* OBSERVE	PHONIS:		
U TABLE !			
0.21	118 111	to a to the state of the state	
S.No.	Volume of Haon (me) added	4.5	
	0		
2		3.9	
3	2		
4	3	3.7	
5	4	3.3	
6	5	3.0	
7	6	2-7	
В	7	2-3	
9	8	2-1	
10	9		
11	10	1.543	
12	11 -> End Point	1.289	
13	12	1.333	
14	13 12.6	1.438	
15	14	1.619	
	15	1.796	
16	1.6	1.943	
17			
	7		
	P.T.O		
	F-110		
	Teacher's Sig	nature	



Ex: Miltine of HCl & CH3COON VENON

## (4) STRONG ACID ACIAINST A WEAK BASE:



	Date
Exp	Page No
	'. N = V ala = 11.2 1 = 0.110 al
	V <sub>1</sub> (O
	So, Strength of hydrochloric acid = 0.112 N
*	RESULT:
	The Strength of the given HCl solution is 0.112 N.
	X
	Teacher's Signature