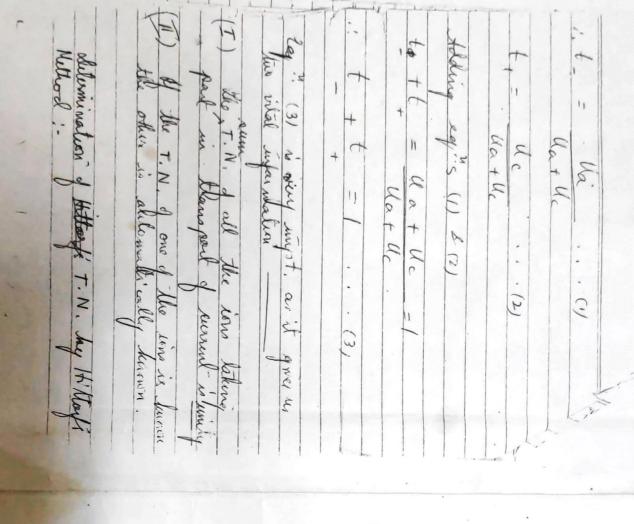
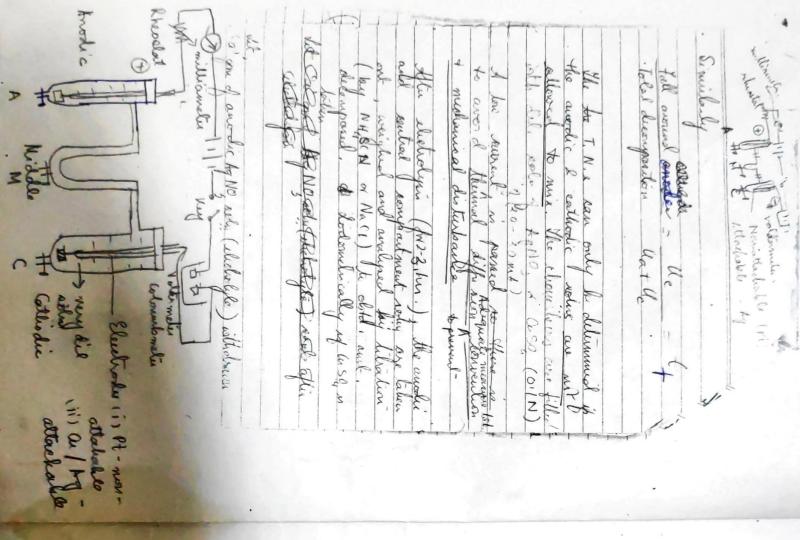
## TRANSPORT NUMBER 308 -308 -TRANSPORT NOMBER: (Migration of Love) the total correct carried by a charged epicies is known as transport No. ler TRANSFERENCE NO. OR HITTOKI'S NO. t & t a d & t a m. & t did HNO - No ions carry only -167 of the toles current 34 this rest by H + Van al so 1° 80 - 4 ions convey 629. I the affect hey H + Van al so 1° 80 - 4 ions convey From the allowe defination Total current passed the "leletifle Total everent passed thro electrolyte From the diffe But the anti- of current transported or carried depo is directly proportional to the year of the ions Thus tent of current corried by amon a speed of amon (la) Total ... ... & speed of amont upsel of sation flatuc)



Tall around cultivale + amorte Huis Adding I on both riches Valuey see proceed tall second anode (+) = awar he T. N. Row be determined Horing boundary multered fall around calhods tall around calthole (-) around cathodo diterminal the T.N. on the boxis Mon Manufrement (2) total becomparities it Total well to Meticagnal tall award outlicale - t Mechade. my various our pm, our love.

tall arts. anole



	1; (a-6)	rather de	1
	m & see	etrolysis	
The second second	e; (a-h) gm of not H20 ( solvent) = "b" gre " "	after shotrebyen sontun	(3)
1,	A) =	9 =	
416	b'qu	p my	
hIE on sein - X	: :	AN NO	
X	1	or O	

in (c-d) gran of 140 contains = d grant top No. condimed you of ty No. .. Total cit. of they no electrolysed of wt. of Ag deposited in the vollameli = (where E = sap. et. of rollie, live E = 170) thing (M) the bow) 38,40, Mor mb 2 = (r-d) E I go sap. In sam.

2 = total dueniportun actually followed in actual saturbations. this is because during electrolipsis all the NO repelling the anode I duriely Ay as Ay No the selve is very deliche their · when Altechalele electrolis x> Y in increase in come. of AgNO, added due to No home would 2 - (Y-x) is loss of ashite around another iono also migrelle to callicate elistich as non-attacherble 1- X less in some in another (ii. kaso acomelanose the and think me . It anode Total while chelidad

auxolic chambles	tall in come at cathodic	Cost I . Speed of calling Hall in long at another	4 arrows + + + + + + + + + + + + + + + + + + +	Sallon mr	DELMI INSTITUTE OF T
pleus only at ((a) en due to men - (c)	= 16-16 =	= 3 ion = 16 - 10 = 6	0-91 1+++++++++++++++++++++++++++++++++++	111111111111111111111111111111111111111	OUTS: Block, Kashmere Gate, Delhi - 110006

gram of water is electrolyced b/m Ag-electrodes. :. t = x-(x-y) = 0.057 = 0.469 Altunate saludation on A Ans: After electrolycis, the anode soli has : Fall in come at amode = X - (X-Y) :  $t = \frac{X - (X-Y)}{X} = 0.000723 - (0.0013.89)$ sattude At the end of the ent anode well contained extends the end of the end of the end of the part anode well what is transport no. of the end of the en Before electrolytic : 1 gr. (c) 0.00739 x 23 1/4 = Before electrolytic (c) 0.00739 g of Ag No 3 1/4 = Before electrolytic (c) 0.0739 g of Ag No 3 1/4 = 0.1719 = 7 1 1 g of H<sub>2</sub>0 rentami 6.00739 g of Ag No 3 1/4 = 0.1719 of H<sub>2</sub>0 rentami 6.00739 x 23.14 = 0.1719 of H<sub>2</sub>0 rentami 6.0 (a) 23.14 gr of 4,0 (b) 0,236 gr Ag NO= X 0.078× 170.88 0.1229 = 0.021g = 01122 - (0.236 - 0.171)

(A) Alternate calculation:
(1) No of segue of Ag deposited at colonnates 2 = 6.078 = 0.000423

After electrolyer:
83.14 9 9 ivali contain 0.236 = 0.0013892
169.89 9 169.89

BARNO3 X

= Amk. of Ay deparate x 29 wt of Ap 23:14 g ... , 0.00739 x 23:14 = 0.1719 8 Ag No 50 N & Box 200100.9 - 98.691

7.23 - 3.824 = 0.471 -0.0010066)/0.000 423

in 1000 g & water was found that after electroques as 576 g & the analyte contained 0.236 g & AgN on the contained in series, the aut of he deposit was 0.023 g. Calculate the transp. no. of Ag In reloumeti, ist of a deposited (Ag = 108, & = 63'54, N=14, 0=16)

:. X = 0.023 = 0.000724 gm eqv. = 0.02309

Before electrolycie:

After electrolycie: X =

t = x - (x - y)

= 0.000 474 - (0.0013,84 - 0.001012)

49 deposited in the contouring in series was

1.4249. After electrolyce 20.8939 of the endy

is sui by Je. on

No of equivalente of Ag deposited at reformeter Nos mb 81810.0 = 88.291

Before electrolycis:

7.39 = 0.0435 g.eqn. 90.25 - 5.039 = 85.51 g of water 170 AgNo3 : 85.81 g of H20 contains 5.039 = 0.0296 g.eqn of the second of

23.376 9 of water contains = 0.256 = 0.001389 g.sq Alter elsebrolyers:

Refere elsebrolyers: V
170

Refere elsebrolyers: V-

Before electrolyers: Y= 0.0435 x 23 RO.79 of H20 rondames: 23.376 g of walter before electrolyers = 0.0435 x 23 RO.79 of H20 rondames X= . Mos. B 951100.0 = 88.691

Before electrolyco:

58910100,0 =

10.79 " "

85.21 9 8 120 contains 0.02969 equ. of Ag No. 0.0296 × 20.7 = 0.007202