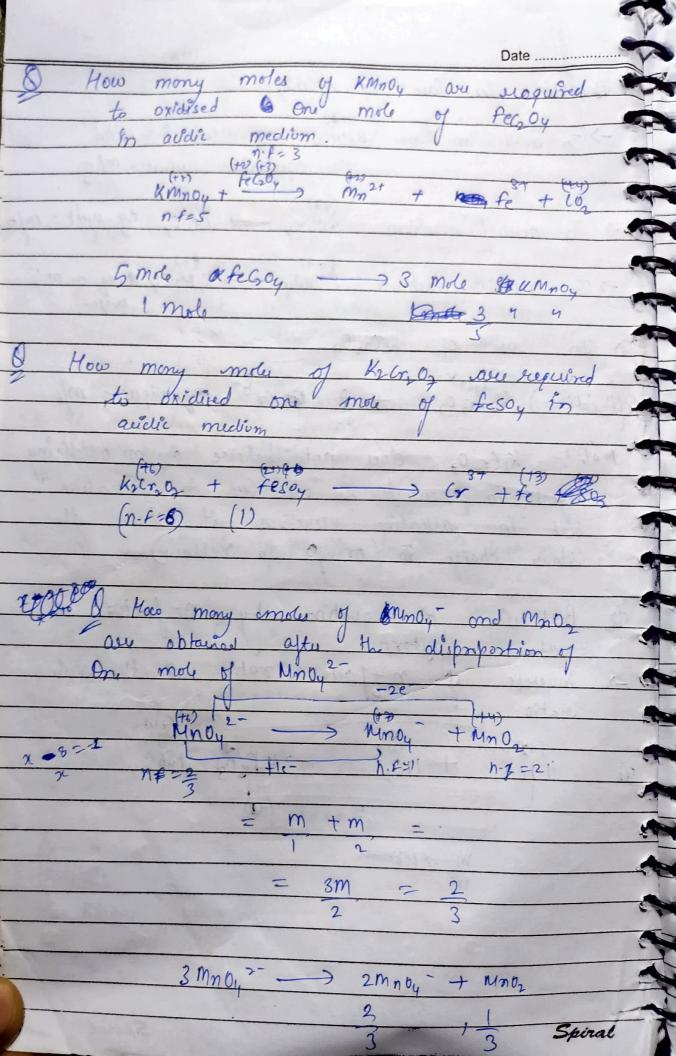
Always - Redwing agent A Oxiditing - BOTT, (1A, 101A). Always - oxidizing agent Jon element us present in its dowest pridation no. then it behave as recluing agent only. ond highest oxidation no then it behaves as oxidation as well or reducing agent. 29 on element is prosent in its highest oxidation no. Then it behave as oxidating agent only Devide which acts as oxidizing agent or reducing agent or 60H? Mr (R.A) R+x=8 x=-4 (-2) (+6) 34 HCloy (pxiding) 1+x+-8=0 HU (Keducing agent) ... H250y (0.A) \$ 2+x +8 =0 m,02 (Both) Kalrady (Oxidisin) sy Kuno, Tortal) 0%

Spiral

Date
A Noti: - In Case of KMnOy -> In avole medium KNnOy converted into mn equivalent weight = m/5
(14)
-> In audic medium Knng converted into mn
equivalent wight = m/t
(49) (44)
> In neutral medium kmnoy -> Mnoy eq. wit = m/s
-> In alkaline medium kmnoy -> knmnoy a eg = m/,
a vigur
a en Case of Krcm202
(Acidic -) K2(m, o) -> 100 Grot -equelque = m/6
(Marie) Marie 1
Not! - KrCr202 does not behave as on oxidising
agent in neutral as well as in alkaling
but in alkaline medium it shows the
colour change @ (orange to Yellow).
& Baloning of equation by n-factor as
valand fatter.
-> Inverse of n-factor ratio is the mol
(+4)
1 4 fes + 110 - 4 fe 0 +8802
(+8)
W/A VI
3
sour + some car same
Spiral



Date n. factor form the balanced Calculation of cquation 5 mny + 2420 + 42 mno, + 444 mole ratio IXI 0.51 of n.f. of HU (12) (16) (-10) + 1411(1 -) 2 KU + 2 (rdz + 74,0 + 3 (2)) Mole ratio 32n + 8MNO3 --> 3 2n (Ng) +2ND+4420 mole 80% = 3. (8 > 5Nall + Nallo + 3H20 3U2 + 6NaOH mole = 3 1, 1 0/10 1440 = 8m = n.x.y U=5 2548 0180 -) N. Rol Nuch Spiral piral

A metallic oxide (mo) contain 20 % oragger Calculate molecular weight and eg . weight y no also relulate atomic insque equi vadet A mo combin 1 g g 0 a mo am + 02 100 (+4) (-2) 16 = 80 16 64/4 Knue) molecular verget of mo=180 Eq. wt y mob = 64+10=80/molaulay weight At weight of m = 32 Eq. wt 4mo = 40 69 - weight of Me = 32 - 32 At mt2 9 M = 64 Eq. wt 4 M = 64 32 A M203 Molecular weight = 240 Re welget of many = 40 7 M2 = 96 = 32 Eg un

Mg N2 (A metallic vitride) Contain 40 % Netrogen then calvelate molecular civil of eg. wight of metalle nitride also calculate atomic welge of y equivalent exeignt of Metal molecular weight of M3N2 = 70

Equivalent weight of M3 = 42 6

Equivalent weight of M3 = 3 42 Equivalent weight of metallic oxide us 40 Calculate the equivalent weight of its Carbonate and Support

Spiral

Date Normality No of equivalents of Solute dissolved of the foliation is the normality eg, welft of stub XV Rume of som N= welger of Solute (9) Xn-F molecular vieiges X Volume of tolution (1) NZ MXn.f A Normality of mixed Solution Case I'- IV two or more acids or bases are mixed logother then normality of mixed folishion can be calculated as My Ve + Move + Move ---- 2 N. V) resulting solution Normality resulting folution -> case II! - If ou'd & base are mixed together then normality of seesuiting form Con be calculated as - N2V2 = N . V -> volume NIV, (Base) (Acid) wormality Solution resulting folish'm Spiral

Date and N 10 Naon and secreting both in mixed with 150 pormolity of granuting telusion 209XN - 130XN = NX1000 ml 20N - 30N = NX1000 N/-19 = NX1090 = 0.01 N = Nr, Bas of the g sources general Centi - 1, femi = 1, deci = 1 150 mly Hepay, 200 ml m Hrson & 150 me N MNO2 ou mixed together : Calculate
normality y rusulting flution. mx2x150 + mx2x200+ NXH50 = NXV 15N + 40N + 30N = NX500 A Equivalent Concept Spiral