

Course on Mole Concept for Class XI

GLIH I & BF3 — GLIBFY + B2H6

2 $\frac{1}{8} \times 2 = \frac{1}{4}$

 Nq_2C0_3 Kmof 2 NaHC03 - Na2 (3) + 42 (9) + 4,0(9) (J mol) $\frac{3}{2}$ 106x + 84y = 2 -0 3/x 44 + 3/x 18 = 0.11

37 -> Ca(12+H20+CO2 [aco3 + 2H Cl 25×80gm - 20 gm = 0.3mm

1.272.Y

1st group carbonates N_{2} <03 \longrightarrow X K2 C63 --> X except L12(03(5) - L120(5) - (02(6)) 2 m group carbonates Cacos -> (ac) + cosh)

 $\frac{1st group}{2NauCO_{3}(s)} \xrightarrow{Sicarbon afes} \qquad \uparrow \qquad \uparrow$ $\frac{2NauCO_{3}(s)}{5} \xrightarrow{NauCO_{3}(s)} + CO_{2}(s) + CO_{2}(s) + CO_{2}(s) + CO_{2}(s)$ $2LiHCO_{3}(s) \longrightarrow Li_{2}O(s) + 2CO_{2}(s) + Li_{2}O(s)$ 2 m) group Bi carbonates Ca (HO3)2 - Ca(7(5) + 2(02(9) + 420(9))

gram-ion of mole 40 22 gm

3 XNA

7+24+1 = 32 electrones 1/5/w



8 6%. pur (all)z = 2 mx 80 Tw Wacoz 200 gm Sample - 160 gm XX80 = 500 required
Weally = 500 gm $M = \frac{100 \times 500}{80} = 625$

= 25 ——— Type-5 problems: Problems related
with sequence of Rxn: >

KUO U2 + 2KOH + KCR + 4,0 7 X 2008 4 < 40 2

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- lumotes

Calculate the man of Kuoy produced by 2840 gm H2. K=394 = 35.5 $nodus g cl_2 = \frac{2840}{71} = 40 moles = x$ A) 710 gm (b) Calculate the total moles Kaprodueen. B) 1385 gm (R) 40 (C) 140 () 138-5 gm (B) 10 (D) 70 1) 7/gm

$$\frac{7}{4} \times \left(\frac{86}{100}\right) \times \left(\frac{75}{100}\right) \times \left(\frac{50}{100}\right)$$

$$= 10 \times \left(\frac{4}{5} \times \frac{3}{4} \times \frac{1}{2}\right)$$

(5) Calculate moders of ky vy moderned by 2840 gm 42 if yield of Rm 1/2/3 are 80%. 75%- 450% respectively

4) 10

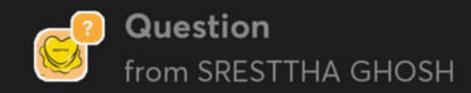
b) 30

C) 3 0.3

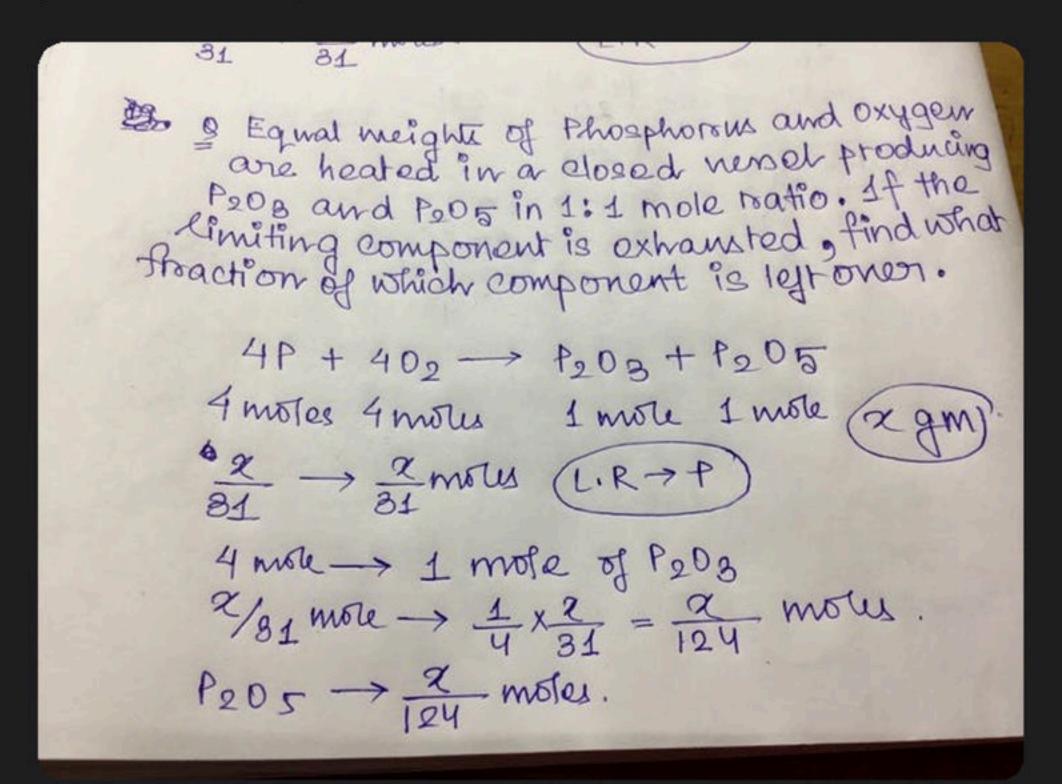
moles of KU * Calabate 1 st Ryn = 32 Produced by 2 m Rxy - 16 3 d 2 m = 1 Commidering jield to be 80 1/2, 75 1. A 50 1/2.

producció by Calable moles of Fiz 64 560 gm Fe. As per given R>m-A) 10/3 FEBr₂ -> FeBr₂ B) 10 E) None 3 Fe Brz + Porz -> Fez Brz 10/3 Fr3Brg+4Nh20 -> Fr3Dy +8Nnbr.

S-1 23-43 0-1 16-30



Sorry sir for disturbing.....Cannot understand how to proceed for this problem on L.R



 $N_2 + \frac{3}{3} \frac{1}{1} \frac{1}{2} \frac{1}{3}$ $\frac{2}{3} \frac{1}{3}$