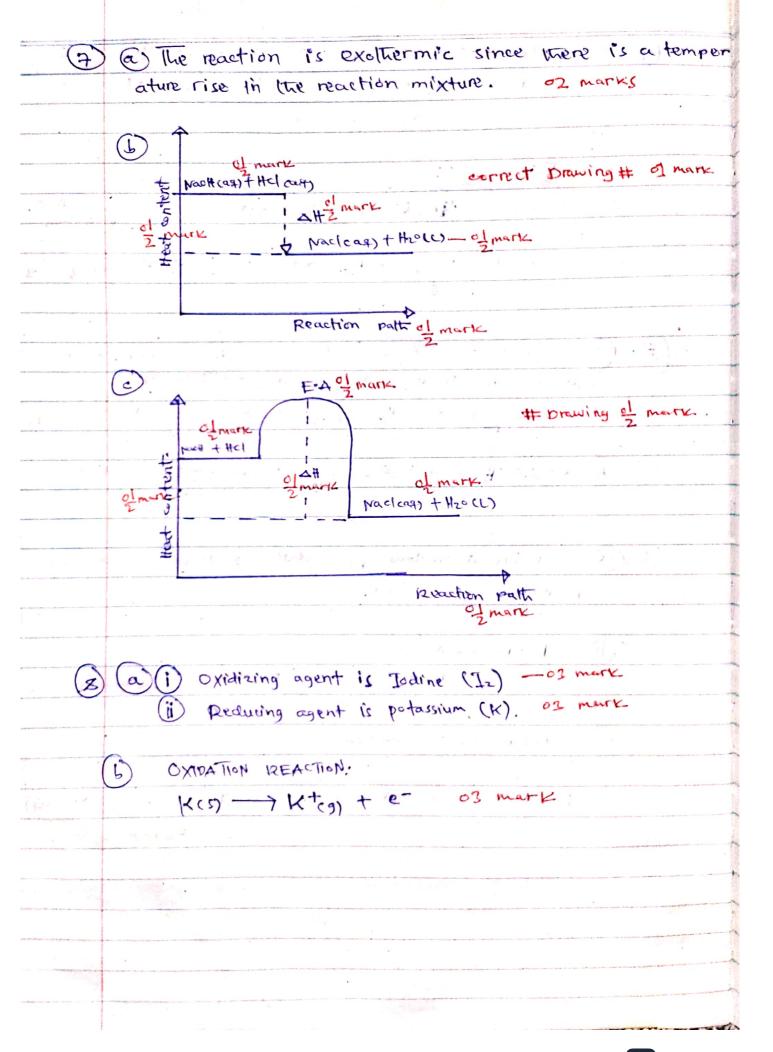


	Company of the second of the s
(4)	(a) P - concentrated nitric acid 01/2 marks
	Q - Dilute nitric acid 0112 marres.
	(b)
Apple 1	REACTIONS:
	- Mg + 4HN3 (cone) -> Mg (NO3)2 +2NO2 + 2H20
	P
	- Mg + HNO3 (delute)> Mg (NO3)2 + H2 (5)-3 marks
	. Q
<u> </u>	(a) contain the sector of the thing of the contain
_ (5)	a carbondioxide is tested by time water, carbon
	dioxide turn lime water milky 03 marks
	202 + ca(off) 2 (ast) > caces (i) + H2O(1).
•	(b) - 2Nayco3 + 42504 -> Nazsox + 2H20 +2co2
	-oz mai i s
(E-	a A bright yellow precipitate of read indide is
	formed 03 marks
The latest and the la	(b) Topic EQUATION:
	P52+ (a4) + I (aq) - > AI2(s) 03 marks
The street on the street of th	
	EHEMICAL EQUATION:
	6
4	Pb (Noz) 2 caq) + 2KI (aq) >>> PbI2 (s) + 21 <no3 (aq)<="" td=""></no3>
All the same of th	-63 marks
Management of the Control of the Con	
No. of Contract of	
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## SECTION C

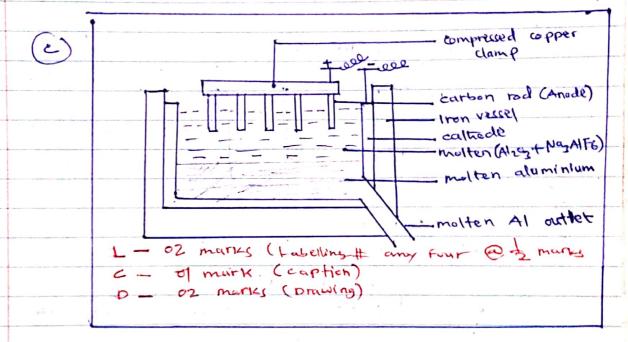
(9) (a) (i) Na, Co3, + Al203.2H20 -> 2 NaAl O2 (1) + 2H20 + co2 (9).

(ii) 2/Vahloz (1) + 3Hzo + coz (9) 2 Al (0H)3 (5) +

Nazcoz (ax).

(iii) 2 Al (oH)3(5) 15002 Alog (U) + 3 H20 (U).

( MazAIF6 + Alzoz. 2Hzo). #02 marks



(d) ANODIC REACTION: 202- → 02 (9) + 40- 1 - 01 mark.

CATHODIC REACTION!

A13+ + 3e --- Alcs).

·(a) - Ablister copper is made an Anode, and cathede is made up a thin sheet of pure copper during eletr olytte purification. ozmarks Then dissolved in mixture of copper (II) sulpha te and sulphuries acid which as electroly te-orma - When electrocity passed, Anode dissolves and pure copper deposited at calthode while impuri tres settle at the bottom of the electrolythe tank ormarks 03 marks cathock pure copper deposited. - electrolyte. 21-. ANODE REACTION ! > cult + 2e - 02 marks CATHODE REACTION: cuz+ + 2e - - cucs). - A reduction because a metal one is, converted to an oxi den, then reduced into enucle metal. 02 marks (a) APPLICATIONS OF ELECTROLYSIS! applied in production of gases. or 1 marks applied in purification of copper applied in electroplating, ozt marks # when explained @22 #when mentioned @ 1 1

mass = ArxIXt # old marks where: Ar = 63.5 I = 7.5A t = 700 seconds. F = 96500 C V=2· Se; mass = 63.5× 7.5× 200 02 2 marks 2×96500 0.2479 022 mark mass =