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2010 HIGHER SCHOOL CERTIFICATE EXAMINATION Chemistry				
•		С	entre	Number
Section I – Part B (continued)				
		Stı	udent	Number
Question 28 (8 marks)				
The flowchart shown outlines the sequence of steps u concentration of an unknown hydrochloric acid solution.	sed to	determine	e the	8
Preparation of 500 mL 0.100 mol L ⁻¹ sodium carbonate standard solution				
25.0 mL used	Unkn	own		
Titration B	ydrochlo	nloric acid		
Average titration volume of acid 21.4 mL	solut	1011		
Concentration of C hydrochloric acid solution				
Describe steps \boldsymbol{A} , \boldsymbol{B} and \boldsymbol{C} including correct techniques, equ calculations. Determine the concentration of the hydrochloric		and approp	oriate	
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End of Question 28