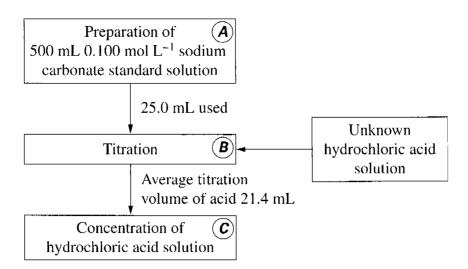
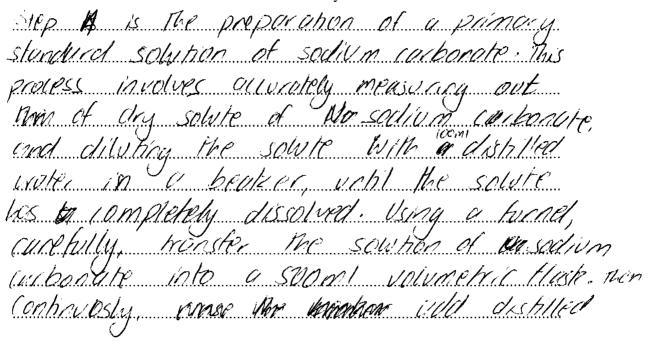
8

Question 28 (8 marks)

The flowchart shown outlines the sequence of steps used to determine the concentration of an unknown hydrochloric acid solution.



Describe steps **A**, **B** and **C** including correct techniques, equipment and appropriate calculations. Determine the concentration of the hydrochloric acid.



Question 28 continues on page 18

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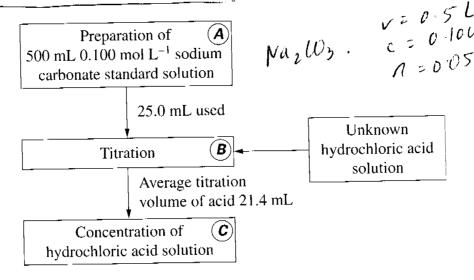
Question 28 (8 marks)

The flowchart shown outlines the sequence of steps used to determine the concentration of an unknown hydrochloric acid solution.

 $M = N \times M^{N}$ = 0.05 × 105: = 5.2995.

8

Student Number



Describe steps \boldsymbol{A} , \boldsymbol{B} and \boldsymbol{C} including correct techniques, equipment and appropriate calculations. Determine the concentration of the hydrochloric acid.

Step A - Preparation of Standard solution.

(D) Measure approximate 5.30 g of powder sodiens carbonate on electronic balance in a 250 ml beaker 7 and the electronic balance various with beaker in before plains Nails.

(D) Dissolve sodien Carbonate in small amount of distilled water and shr with a spectfulla.

(3) Collect a measuring affinisher and turnel, and add the sodien carbonate solution into the flask wash the beaker into the flask.

Question 28 continues on page 18