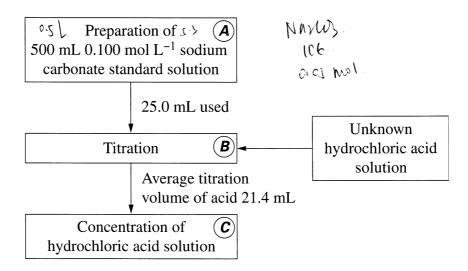
Question 28 (8 marks)

The flowchart shown outlines the sequence of steps used to determine the **8** concentration of an unknown hydrochloric acid solution.



Describe steps A, B and C including correct techniques, equipment and appropriate noll calculations. Determine the concentration of the hydrochloric acid. solution Narloz standard M calculation. Molar M(NanCo3) = 106= 0.5 Ln (Narlo) 0.05 mol  $\therefore$  M (NGh (w)) = 106x 0.05 = 5.3° 5-39 sodium Carbonard pode powdy by 1- Wepan using a eler ricity balan scale to weigh the 5.39 sodium carbon be now clur completely using a bat day and chean prever with small amount of diditilled water ..... 3 - transfer the solution into a volumetric flask

## Question 28 continues on page 18