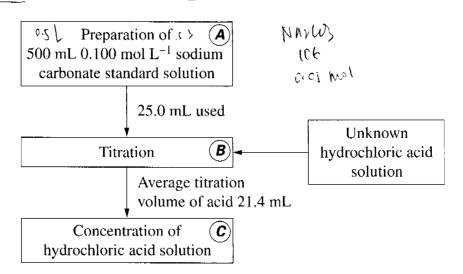
Question 28 (8 marks)

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

8



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

A preparation of Nanlos standard solution

by calculation. Molar Manacos) = 106

N (Nanlos) = 0.5 Lx 0.1 mol = 0.05 mol

M (Nanlos) = 106 x 0.05 = 5.39

1 - Preparat 5-3 g sodium Carbonaru podlor poudu my

uning a electricity balar scale to weigh.

2 - dissolve the s.3g sodium carbonat production completely

using a bat day and chean backer with small amount of

distilled water

3 - transfer the solution into a volunatric flask of

Question 28 continues on page 18