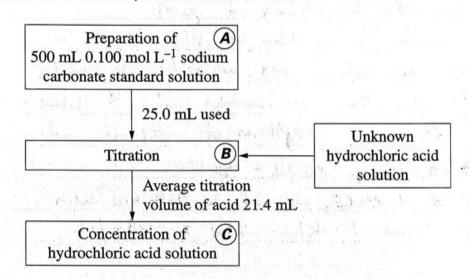
Question 28 (8 marks)

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.

1 to prepare a stenderd solution of Sud low molinly
ne dilte a more anentel seleting NeaCO3 has a melor
heigh A 22.99+ 12+3(16)=82-99 we will weigh out
165.989 A Sodium carbonte using a sinion bellence as
aunth as presable the this world give is Inter of
Sortion continute, disoling 2 mls in 14 gies 43 14
of ImulL' soldin if we take 50 ml of this soldion
while his been stired thorroughly to ensure that it has
all doded and dilited it up to sweak we
while the have SUDAL at -100 mL - sortion carbonte solding in volumetric flishes.
In bolometrice Histors.

Question 28 continues on page 18

CHONTREE MAN COMPANIO CONTRECTO CON MARKET TO CONTRECTOR OF THE CO

Question 28 (continued)

B) week base shape aid timber regions a industred will aid charge at around 6 pt. Mod aid a few chaps of melly arange to the HCI which shall be pipeled into a clear a backer. He proft stold be rived with HCI.

Storby aid Sections carbonate from the borest which has been rived with Southern carbonate with the indiction charges advant repeat the fitness for rehability at results.

Que calculate the concentrion at HCI because we know how much sodien carbonate was really to intrologie. It will use know its concentration and the whome of the HCI assuming 25 MgMI was at I+CI mes wal.

HCI assuming 25 MgMI was at I+CI mes wal.

HCI assuming 25 MgMI was at I+CI mes wal.

HCI assuming 27 MgMI was at I+CI mes wal.

End of Question 28

\$1 or not an electrical and another \$