## Question 21 (3 marks)

A 0.001 mol  $L^{-1}$  solution of hydrochloric acid and a 0.056 mol  $L^{-1}$  solution of **3** ethanoic acid both have a pH of 3.0.

Why do both solutions have the same pH? the same off as Both solutions have eretore JC DC А CAL 6 13 T/ <u>'S.</u> 1 10ill ler ING  $\subset$ 6 ...... Ŵ <u>V) (</u>\_\_\_\_ nong dCM А  $\leq$ is. into ions, tely ion Y T right. LAN U (0 2s