2010 HIGHER SCHOOL CERTIFICATE EXAMINATION Chemistry										
Section I (continued)					Centre Number					
Part B – 55 marks Attempt Questions 21–31 Allow about 1 hour and 40 minutes for this part						Stu	ıdent	Nur	mber	
Answer the questions in the spaces provided. These slength of response.	space	es pro	ovide	guid	lanc	e for	the	expe	cted	
Show all relevant working in questions involving calc	culati	ions.								
Question 21 (3 marks) A 0.001 mol L ⁻¹ solution of hydrochloric acid an ethanoic acid both have a pH of 3.0. Why do both solutions have the same pH?	d a	0.05	6 mc	ol L ⁻¹	SO	lutio	n of	•	3	

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