Chemistry													
Section I – Part B (continued)									С	entre	Nuı	nber	
Seci	110n 1 –	Part B	(continued)										
										Stı	ıdent	Nuı	nber
Que	estion 3	1 (6 mai	rks)										
(a)			lected a 250 mL sample of water ected are shown in the table.	froi	n a	loc	al	dan	n for	ana	lysis.		
			Mass of filter paper				0.2	23 g	5				
			Mass of filter paper and solid				0.4	47 g	5				
			Mass of evaporating basin			۷	43.:	53 g	5				
			Mass of basin and solid remaining	ng		2	44.0	67 g	5				
	(i)	Calculate the percentage of the total dissolved solids in t							ss. e dar	n sar	mple.		2
	(ii)	 (ii) It is suspected that the water in the dam has a high concentrate chloride ions. Describe a chemical test that could be carried out on the water sand determine the presence of chloride ions. Include an equation is answer. 									ole to your	,	2
						•••••	••••						

Question 31 continues on page 24

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Question 31 (continued)

(b)	Name an ion other than chloride that commonly pollutes waterways, and identify its source and the effect of its presence on water quality.	2

End of Question 31