UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS **GCE Ordinary Level**

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5070 CHEMISTRY

5070/04

Paper 4 (Alternative to Practical), maximum raw mark 60

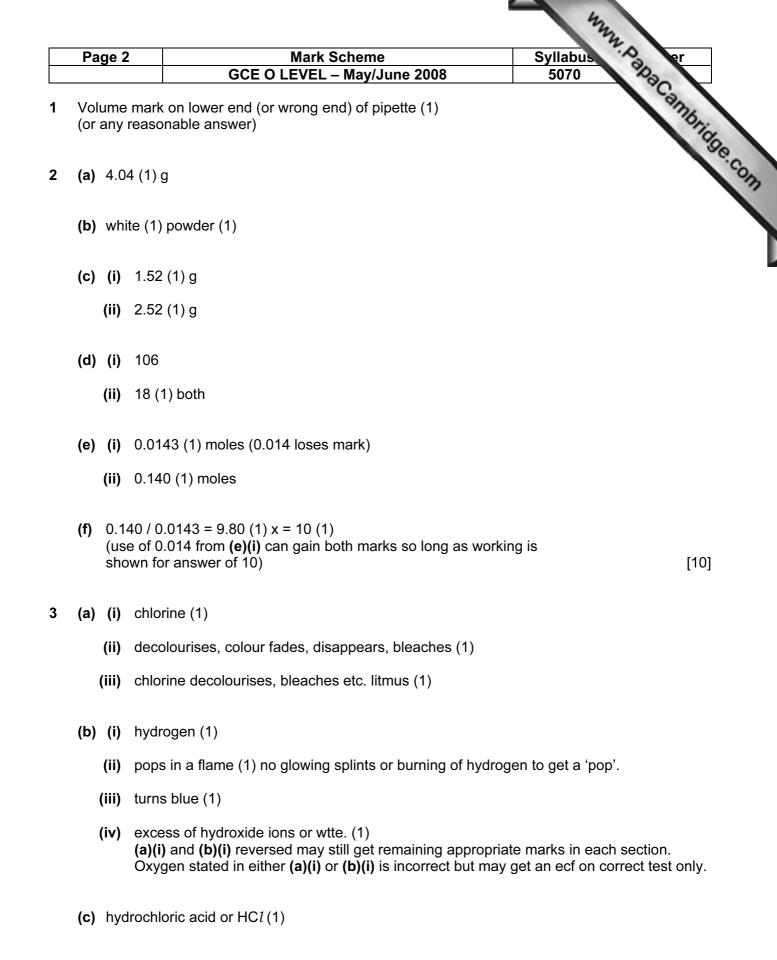
This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the May/June 2008 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

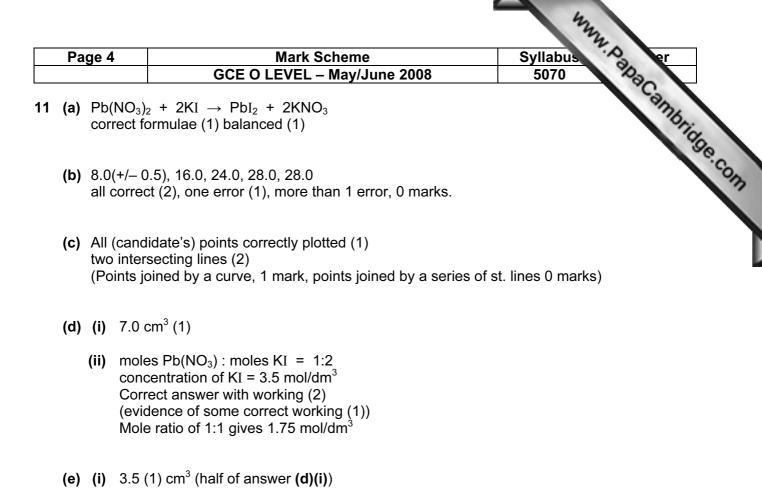


[5]

Pa	ge 3 Mark Scheme			Syllabus	· A er	
		GCE	O LEVEL – May/June 20	08	5070	Than .
(a)	pipette (1)				anny.
(b)	appropri	ate test e.g. wh	ite fumes with conc. HC <i>l</i> . (1), or litmus	turns blue.	w. Papacambridge
(c)	(i) yello	W				
		ige, pink, or rec	l (1) (both)			
(d)	0.0 27.2	47.8 30.2 21.4 3.6 26.4 26.6 lue 26.5 (1) cm	(1 mark for each correct row OR column (3))			
(e)	0.00212	(1)				
(f)	0.00212	(1)				
(g)	0.0212 (1)				
(h)	0.05 (1)					
(i)	0.0288 (1)				
(j)	(i) 0.02	88 (1)				
	(ii) 0.02	88 x 40 = 1.15	2 mol/dm ³			[14]
0 (a)	colourles	ss (solution) (1)				
(b)	Al ³⁺ and Zn ²⁺ and Pb ²⁺ or names of ions (any 2) (2) (ignore charges) Incorrect elements +1/–1					
(c)	Al ³⁺ or F	² b ²⁺ (1) (no e.c.	f. on Ca)			
(d)	(must sh (A <i>l</i> and N	ow presence o NaOH may sco	1) ammonia produced <u>or</u> ga f both A <i>l</i> and NaOH to get o re on own, not heat) r e.c.f. for Zn(NO ₃) ₂ (1)			

 $A_l(NO_3)_3$ or Pb(NO₃)₂ or e.c.f. for Zn(NO₃)₂ (1) Formula must be correct.

[9]



(ii) 28 mm (1)

[12]

[Total: 60]