www.papacambridge.com MARK SCHEME for the October/November 2007 question paper

5070 CHEMISTRY

5070/04

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

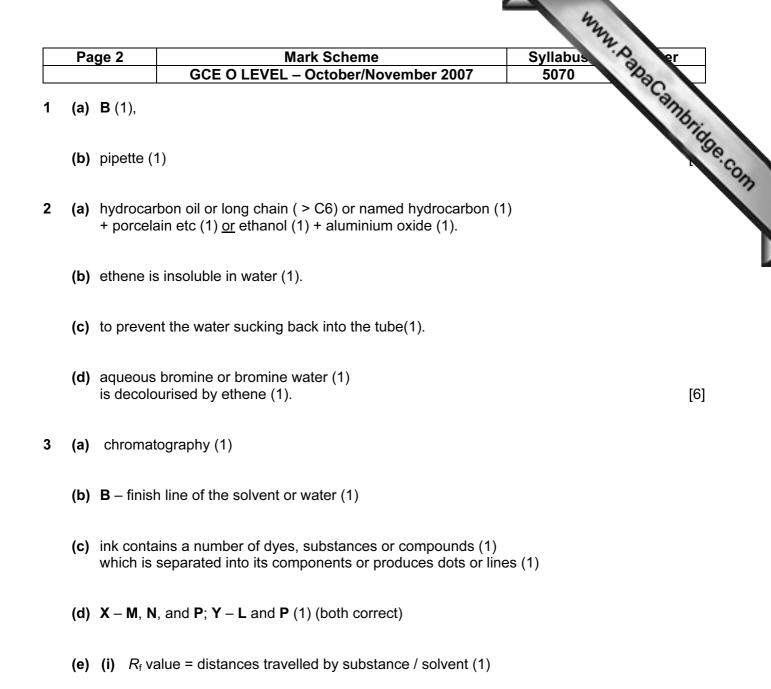
This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began.

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.

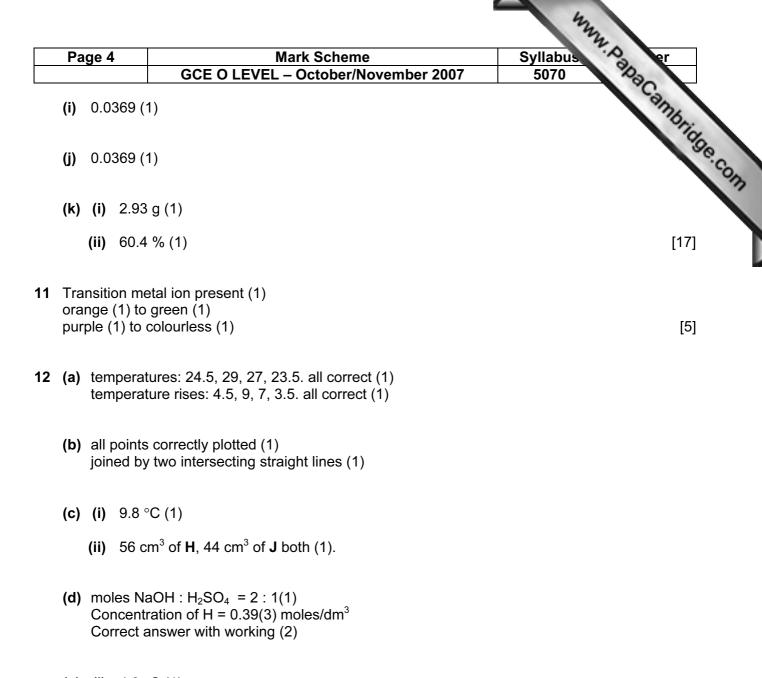
CIE is publishing the mark schemes for the October/November 2007 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



(ii) **P**: 2.5/5.5 = 0.45 (1)

[7]

(a) (b)			Mark SchemeSyllabusGCE O LEVEL – October/November 20075070			24
			<u>:VEL – Oc</u>	ctober/November 2007	5070	"aC
(b)	white pr	ecipitate (1).				"mbri
• • •	(i) 0.0	2 (1)				apacamping
		15 (1) (reversed	1/2)			
	(1) 0.0		/2)			
(c)	3.495 (3	8.5) g (1)				
(d)	05 950/	(05 00/)/05 70/	using 2 E	$a^{1/2}$		
(u)	95.65%	(95.9%)(95.7%	using 5.5 (g)(accept 96)(1)		
(e)	product	was not dried e	c (1)			
(6)						
(f)		chloride, carbon sphate);	ate, bromic	de, or iodide (1)		[7]
			tively 1 ma	ark each correct answer.		[5]
) (a)	4.85 g ((1)				
(b)	(i) blue	e (1),				
		ation (1)				
	(iii) CuC	D + H ₂ SO ₄ -	→ CuSO₄	+ H₂O (1)		
				- 、 /		
(c)	(i) blue	9				
	(ii) gree	en or blue/greer	(1)			
(d)		26.6 40.7	46.2	(mark columns OR row	is to benefit	
(4)		0.0 14.6 26.6 26.1	19.9 26.3	of candidate. 1 mark for correct column or row) (r each	
	Mean value = 26.2 cm^3 (1)					
		aiu c – 20.2 UII	(1)			
(e)	0.00262	: (1)				
(0)	0.00404	(4)				
(†)	0.00131	(1)				
(g)	0.0131 ((1)				



- (e) (i) 4.9 °C (1)
 - (ii) 56/44 (1)

[11]