MMM. Afrenne Pabers Con

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2010 question paper for the guidance of teachers

0620 CHEMISTRY

0620/52

Paper 5 (Practical), maximum raw mark 40

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, which would have considered the acceptability of alternative answers.

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

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CIE is publishing the mark schemes for the October/November 2010 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



	Page 2		Mark Scheme: Teachers' version Syllabus		Syllabus	Paper	
					ober/November 2010	0620	52
1	(a)	Table of results for <i>Experiment 1</i> initial temperature boxes comple other temperature boxes correct comparable to supervisors (1) i. Table of results for <i>Experiment 2</i> initial/final temperature boxes cocomparable to supervisors (1) i.			oleted correctly (1) ctly completed (1)		[3]
	(b)				completed correctly (1)		[2]
	(c)		traight li		–1 for any incorrect wn with a ruler (2)		[6]
	(d)	(i) valu	e from g	raph (1) show	n clearly (1)		[2]
	` ,			raph (1) show			[2]
		(ii) vaid	o nom g	1 april (1) on ow	Troically (1)		[~]
	(e)	endothe	rmic				[1]
	(f)	temperature (changes) would be smaller owtte (1) more water (1) ignore references to rate				[2]	
	(g)	solid wo			ver or take longer to observe	e final temperature (1) [2]
	(h)	lag apparatus/use a lid or insulate /use digital thermometer/ use a pipette or burette instead of measuring cylinder/use data logging device on not repeat and average			owtte [1]		
							[Total: 21]
2	(a)	yellow (1	I) precip	itate (1)			[2]
	(b)	white (pr	recipitate	e)			[1]
	(c)		r blue/p	zz/bubbles (1) urple/> 7 (1) max 2	ignore references to hyd	Irogen	[2]

Page 3	Mark Scheme: Teachers' version	Syllabus	Paper			
-	IGCSE – October/November 2010	0620	52			
	yellow/brown/orange colour hot (1) faded/goes white when cool (1)					
) bubbles/fizz etc (1) limewater turns milky (1)					
	e precipitate (1) olves/clears (1)		[2]			
` '	e precipitate (1) olves/clears (1) see Supervisor's report		[2]			
(g) ammonia	a ignore hydrogen		[1]			
` '	silver/lead (1) nitrate (1)					
• • • • • • • • • • • • • • • • • • • •	allow aluminium dependent on (f) (ii) carbon dioxide (when acid added) (1) te (1)		[3]			

[Total: 19]