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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 Sche	me: 1	Teachers' version	Syllabus	S. C.	
· a	<u> </u>				er/November 2010	0620	Pho.	
(a)	initial ten	results t nperatur	for <i>Experime</i> re boxes cor re boxes cor	ent 1 mplet	ed correctly (1) y completed (1) e. decreasing		Papa Cambridge	
(b)	Table of results for <i>Experiment 2</i> initial/final temperature boxes completed correctly (1) comparable to supervisors (1) i.e. increasing							
(c)		traight li			for any incorrect with a ruler (2)		[6]	
(d)	(i) valu	e from g	raph (1) sho	own c	clearly (1)		[2]	
	(ii) volu	o from o	ıraph (1) sh	own c	ploorly (1)		[2]	
	(II) valu	e nom g		OWITC	deally (1)		[2]	
(e)	endother	rmic					[1]	
(f)	•	•	anges) woul gnore refere		smaller owtte (1) to rate		[2]	
(g)	solid wou smaller s			ower	or take longer to observe f	inal temperature (1	[2]	
(h)		ette or	burette inste		e /use digital thermometer/ f measuring cylinder/use da	ata logging device o	[1]	
							[Total: 21]	
(a)	yellow (1) precip	itate (1)				[2]	
(b)	white (pr	ecipitate	e)				[1]	
(c)		r blue/p	zz/bubbles (urple/> 7 (1) max 2	,)	ignore references to hydro	gen	[2]	

1

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			S

(d) yellow/brown/orange colour hot (1) faded/goes white when cool (1)

(e) bubbles/fizz etc (1) limewater turns milky (1)

[2]

(f) (i) white precipitate (1) dissolves/clears (1)

[2]

(ii) white precipitate (1) dissolves/clears (1) see Supervisor's report

[2]

(g) ammonia ignore hydrogen

[1]

(h) silver/lead (1) nitrate (1)

[2]

(i) zinc (1) allow aluminium dependent on (f) (ii) gives off carbon dioxide (when acid added) (1) carbonate (1)

[3]

[Total: 19]