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.



Pa	ge 2	Mark Sche	eme: Teachers' version	Syllabus	Paper
		IGCSE – C	October/November 2010	0620	52
(a)	initial ten other ten	nperature boxes co	nent 1 completed correctly (1) correctly completed (1) (1) i.e. decreasing		[3]
(b)	initial/fina	results for <i>Experim</i> al temperature box ble to supervisors	es completed correctly (1)		[2]
(c)		traight line graphs	3), –1 for any incorrect drawn with a ruler (2)		[6]
(d)	(i) valu	e from graph (1) sh	nown clearly (1)		[2]
	(ii) valu	e from graph (1) sh	nown clearly (1)		[2]
	(II) valu	e iroin graph (1 <i>)</i> si	lowir clearly (1)		[2]
(e)	endother	rmic			[1]
(f)	temperature (changes) would be smaller owtte (1) more water (1) ignore references to rate				
(g)		uld dissolve/react s surface area (1)	slower or take longer to observe	e final temperature (1) [2]
(h)	use a pip		nsulate /use digital thermomete tead of measuring cylinder/use		owtte [1]
					[Total: 21]
(a)	yellow (1) precipitate (1)			[2]
(b)	white (pr	ecipitate)			[1]
(c)		cence/fizz/bubbles r blue/purple/> 7 (1 max 2	` '	rogen	[2]

1

2

Page 3		Mark Scheme: Teachers' version	Syllabus	Paper			
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(d)	d) yellow/brown/orange colour hot (1) faded/goes white when cool (1)						
(e)		fizz etc (1) er turns milky (1)		[2]			
(f)	` '	e precipitate (1) olves/clears (1)		[2]			
	` '	e precipitate (1) olves/clears (1) see Supervisor's report		[2]			
(g)	ammonia	a ignore hydrogen		[1]			
(h)	silver/lea nitrate (1			[2]			
(i)	` ,	allow aluminium dependent on (f) (ii) carbon dioxide (when acid added) (1) e (1)		[3]			

[Total: 19]