## UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

**International General Certificate of Secondary Education** 

## MARK SCHEME for the May/June 2012 question paper for the guidance of teachers

## 0620 CHEMISTRY

0620/53

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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Page 2		Mark Scheme: Teachers' version	Syllabus	Paper
		IGCSE – May/June 2012	0620	53
(a)	(a) experiment 1 all boxes completed (1) results show a regular pattern (1)			
(b)		ent 2 all boxes completed (1) how a regular pattern (1)		[2]
(c)	Should h linear sca two × sm	s correctly plotted (+/ $-\frac{1}{2}$ small square) (2), $-1$ for an nave a y axis: ale and points extend over at least 4 big squares (8 nooth lines (curved or straight) (2) as labelled (1)		[6]
(d)	(i) valu	e from graph (+/– ½ small square) (1) shown clearly	· (1)	[2]
	(ii) valu	e from graph (+/ $-\frac{1}{2}$ small square) (1) shown clearly	· (1)	[2]
(e)	endother	rmic (1)		[1]
(f)		mperature (changes) (1) volume/more water (1)		[2]
(g)		nperature or initial temperature from table (1) finished/ <u>all</u> dissolved/warms up (1)		[2]
(h)		adings/points (1) aph/more reliable/more accurate/owtte (1)		[2]
				[Total: 21]

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			IGCSE – May/June 2012	0620	53
2	(a)	green (	(1) <b>reject</b> : any other colours, <b>ignore</b> : dark/light		[1]
	(b)	` ,	black (1) condensation/drops at top of tube/steam/water (1) milky/cloudy/white ppt (1) max 3	ter (1)	[3]
	(c)		z/bubbles etc. (1) ue solution/liquid (1)		[2]
		blu	ue (1) <b>ignore</b> : qualifiers such as dark/light precipitate (ue precipitate (1) (ignore qualifiers such as dark/light)	` ,	[2]
			rk/royal/deep blue (1) must be some indication it is da lution/soluble/dissolves (1)	irker than the ppt	[3]
	(d)		rance: colourless (1) vinegar/pungent/sharp/sour/strong (1)		[2]
	(e)	pH2–6	(1)		[1]
	(f)	•	or blue-green solution/liquid (1) bbles (1)		[2]
	(g)	copper	(1) carbonate (1)		[2]
	(h)	acid/oro	ganic/ethanoic/acetic/vinegar		[1]
					[Total: 19]

Mark Scheme: Teachers' version

Syllabus

Paper

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