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.

• Cambridge will not enter into discussions or correspondence in connection with these mark schemes.

Cambridge is publishing the mark schemes for the May/June 2012 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	Paper			
		IGCSE – May/June 2012	0620	53			
(a)		ent 1 all boxes completed (1) how a regular pattern (1)		[2]			
(b)	•	ent 2 all boxes completed (1) how a regular pattern (1)		[2]			
(c)	(c) all points correctly plotted (+/– ½ small square) (2), –1 for any incorrect Should have a y axis: linear scale and points extend over at least 4 big squares (8 cm) (1) two × smooth lines (curved or straight) (2)						
		es labelled (1)		[6]			
(d)	(i) valu	e from graph (+/- ½ small square) (1) shown clearly	['] (1)	[2]			
	(ii) valu	e from graph (+/– ½ 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]

1

			IGCSE – May/June 2012	0620	53
2	(a)	green ((1) reject : any other colours, ignore : dark/light		[1]
	(b)	` ,	black (1) condensation/drops at top of tube/steam/water (1) milky/cloudy/white ppt (1) max 3	ater (1)	[3]
	(c)		z/bubbles etc. (1) ue solution/liquid (1)		[2]
		blu	ue (1) ignore : 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)	arker 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) obles (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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