CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

MARK SCHEME for the October/November 2012 series

0620 CHEMISTRY

0620/51

Paper 5 (Practical), maximum raw mark 40

MMM. Hiremepapers.com

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 should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the October/November 2012 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.



	Page 2		Mark Scheme IGCSE – October/November 2012		Syllabus 0620	Paper 51
1	(e)	Table of	results for Expe	riments		
		all initial	temperature box	es completed correctly as instruc	cted (1)	
		all final to	emperature boxe	es completed correctly not more t	than 20°C below ori	iginal (1)
		all avera	ge temperatures	completed correctly (1)		
		times co	mpleted in secor	nds (1) ignore: dps		
		descend	<u>ing i</u> n order (con	nparable to supervisor) (1)		[5]
	(f)	points pl	otted correctly (4	•)		
		smooth I	ine graph (1)			[5]
	(g)	average	temperature 72°	°C (1)		
		value fro	om graph (1)			
		extrapola	ation shown on g	rid (1)		[3]
	(h)	as an inc	dicator/check pre	esence of iodine owtte (1)		[1]
	(i)	(i) expe	eriment 5/when t	emperature is 70 (1)		[1]
		(ii) high	est temperature	(1)		
		parti	icles have more	energy/more collisions (1)		[2]
	(j)	time long	ger/more/increas	e (1)		
		speed sl	ower/decrease (1)		[2]
	(k)	more <u>acc</u>	<u>curate (</u> 1)			[1]
2	(a)	рН 5–7 ((1) ignore colours	5		[1]
	(b)	(i) whit	e (1) precipitate	(1) dissolves owtte (1)		[3]
		(ii) white	e (1) precipitate	(1) dissolves owttte (1)		[3]
	(c)	no reacti	ion/no change/no	o precipitate/no observation (1)		[1]
	(d)	white (1)	precipitate (1)			[2]

Pa	ge 3	Mark Scheme	Syllabus	Paper
		IGCSE – October/November 2012	0620	51
(e)	litmus tu	rns red (1) then bleached/white (1)		[2]
(f)	bubbles/	fizz etc. (1)		
	glowing	splint (1) glows brighter/relights (1)		[3]
(a)	zinc(1)	sulfate (1)		[0]
(9)				[2]
(h)	oxygen (1)		[1]
(1)	transitior	n metal present (1) catalyst (1)		
	mangane	ese/copper (1) oxide (1) max 2		[2]
				[Total: 40]