## MARK SCHEME for the October/November 2010 question paper

MMM. Hiremepapers.com

## 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.

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

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.



UNIVERSITY of CAMBRIDGE International Examinations

	Pa	ge 2			Paper
			IGCSE – October/November 2010	0620	53
1	(a)	(a) Table of results for <i>Experiment 1</i> volume of acid box completed correctly (1) comparable to supervisors (1)			
	(b)	volume o	results for <i>Experiment 2</i> of acid box completed correctly (1) ble to supervisors (1) –1 if not 1 decimal place		[4]
	(c)	pink (1) t	to colourless (1) <b>not</b> clear		[2]
	(d)	(i) hydr	oxide		[1]
		(ii) neut	ralisation		[1]
	(e)	(i) expe	eriment 2		[1]
		(ii) expe	eriment 2 2× volume experiment 1		[1]
			line solution <b>G</b> more concentrated/stronger (1) or c is concentrated (2)	onverse	[2]
	(f)		e from table result for experiment 2 (1) cm <sup>3</sup> (1) me of <b>G</b> used (1) max 2		[2]
	(g)	()	sources of error using a measuring cylinder to measure alkalis/going	g past end point owtte	e [2]
			meaningful improvements related to above use a pipette/burette/repeat experiment or use diffe	erent indicator	[2]
					[Total: 18]
2	(a)	white/co	lourless crystals		[1]
	(b)	(b) melts/turns into a liquid owtte (1)			
		crackles (1) pH paper turns blue/ pH > 7 (1) smell (1) max 2		[2]	
	(c)	(i) whit	e (1) precipitate (1)		[2]
		(ii) no c	hange/no reaction owtte		[1]
			gent/smelly (gas) (1) cator paper turns blue or pH > 7 (1)		[2]

Page 3	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – October/November 2010	0620	53
condensa	s white/colour fades (1) ation at top of tube (1) s (1) max 2		[2]
(e) (i) gree	n (1) precipitate (1)		[2]
(ii) white	e precipitate		[1]
<b>(iii)</b> (mar	nganate) turns colourless/yellow/orange/brown		[1]
(f) steam (1 heat give solid turn			[2]
<b>(g)</b> ammonia	1		[1]
(h) ammoniu	ım (1) sulfate (1)		[2]
(i) iron (1) (1	II) (1) sulfate (1)		[3]
			[Total: 22]