MARK SCHEME for the October/November 2010 question paper

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for the guidance of teachers

0620 CHEMISTRY

0620/53 Paper 5 (Practical), maximum raw mark 40

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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) not 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 G more concentrated/stronger (1) or c is concentrated (2)	onverse	[2]
	(f)		e from table result for experiment 2 (1) cm ³ (1) me of G 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]
(iii) (mar	nganate) turns colourless/yellow/orange/brown		[1]
(f) steam (1 heat give solid turn			[2]
(g) ammonia	1		[1]
(h) ammoniu	ım (1) sulfate (1)		[2]
(i) iron (1) (1	II) (1) sulfate (1)		[3]
			[Total: 22]