International General Certificate of Secondary Education

MARK SCHEME for the November 2005 question paper

0620 CHEMISTRY

0620/06

Paper 6 (Alternative to Practical), maximum mark 60

This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which Examiners were initially instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began. Any substantial changes to the mark scheme that arose from these discussions will be recorded in the published *Report on the Examination*.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the *Report on the Examination*.

The minimum marks in these components needed for various grades were previously published with these mark schemes, but are now instead included in the Report on the Examination for this session.

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

CIE is publishing the mark schemes for the November 2005 question papers for most IGCSE and GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



	Page 1		Mark Scheme Syllabus		Paper	
			IGCSE – NOVEMBER 2005	0620	6	
1	(a)	boxes	s filled in correctly to show:			
		measuring cylinder (1)				
		spatula (1)				
		beake	er (1)		[3]	
	(b)	b) blue			[1]	
	(c) heat (1)		(1)			
		to crystallising point (1)			[2]	
2	2 (a) electrod		odes correctly labelled		[1]	
	(b)	bubbles at positive/negative electrode (1)				
		bulb lights up (1)			[2]	
	(c)	lighte				
		pops	(1)		[2]	
3 (a)		pestle (1) and mortar (1)			[2]	
	(b)	chlorophyll more soluble in ethanol or similar			[1]	
	(c)	filtrati	on		[1]	
	(d)	chron	solvent (1)	[4]		
4		Table				
		volum - 1 foi	56)	[3]		
	(a)	points	t			
		straig	ht line (1)		[4]	
	(b)	exper	iment 2 (1)			
		not on line (1)			[2]	
	(c)	(i)	experiment 5 (1)			
		(ii)	strongest/more concentrated acid (1)			
			more collisions (1)		[3]	
	(d)	marbl				
		acid used up (1)			[2]	

	Page 2		Mark Scheme IGCSE – NOVEMBER 2005	Syllabus 0620	Paper 6
	(e)	(i)			
		(ii)	measure mass of chips/time individual experimen	ts	[1]
5	(b)	(i)	white (1)		
			precipitate (1)		
			dissolves (1)		[3]
		(ii)	white (1)		
			precipitate (1)		
			insoluble (1)		[3]
	(c)	acid	gas/named/hydrated salt		[1]
	(d)	not a	ot a sulphate (1)		
		not a	halide (1)	[2]	
	(e)	amm	ionia	[1]	
	(f)	nitrat	te (1)		
		hydra	ated/water (1)		[2]
6	(a)	2 arr	ows in correct positions (1) each		[2]
	(b)	brom	ine (water) (1)		
		goes	colourless (1)	[2]	
	(c)	suck	-back problem	[2]	
7	(a)	soil s	sample + water (1)		
		stir/h	eat (1)		
		filter	(1)		
		add I	Universal Indicator (1)		
		chart	t (1)	[5]	
	(b)	more	e samples (1)		
		differ	rent parts of field (1)		[2]
					Total 60