UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATION International General Certificate of Secondary Education

MARK SCHEME for the October/November 20



0620 CHEMISTRY

0620/06

Paper 6 (Alternative to Practical), maximum raw mark 60

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.

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.

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			4245
	Page 2	Mark Scheme	2.D.
	1 490 2	IGCSE – October/November 2007	800
1		rect indication for crystals (1) rect indication of heat (1) no labels but correct position	www.PapaCambridge.com
	(b) to cool/c	condense the water/gas/liquid (1)	se.com
	(c) blue (1)	to white/grey (1)	
2	(a) brown/oi	range/red-brown (1)	[1]
	(b) (i) take	es the place of oxygen owtte (1) not air	[1]
	(ii) 16.6	6–17% (1)	[1]
	(c) (i) form	nation of rust slower (1)	[1]
	(ii) no e	effect (1)	[1]
3	(a) So that a	all acid is used up/neutralised (1)	[1]
	(b) filter (1)		[1]
	(c) (i) no n	nore solid/solute can dissolve (1) at that temperature (1)	[2]
		a glass rod to show crystals forming/observe crystals ning on edge of solution (1)	[1]
	(d) to preve	nt breakdown of the crystals/not form powder/not lose water (1)	[1]

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	Page 3	Mark Scheme	N.D.		
		IGCSE – October/November 2007	Nac 1		
4	Table of res	ults	anb.		
	For all experiments Initial temperature boxes correctly completed				
	18, 26, 16, 2	2	5111		
	and final ten	nperature boxes correctly completed (3) –1 for each inc			
	19, 29, 21, 4	1			
	Differences correctly completed (1)				
	1, 3, 5, 19				
	(a) bubbles	/fizz (1)	[1]		
		iate scale for <i>y</i> -axis (1) orrectly drawn (2), –1 for incorrect bar	[3]		
	(c) (i) Exp	periment 1 (1)	[1]		
	(ii) Exp	periment 4 (1)	[1]		
	• •	reference to particle size/surface area (1) t chemicals used owtte (1)	[2]		
		(1) for specified reagent (1) ble chips (1) visible at end of reaction (1)	[2]		
		ature changes would be smaller/less (1) plume of acid (1)	[2]		

						422
	Page 4		L	Mark Scheme		2.D
	i age 4		r	IGCSE – October/November 2007	,	200
5	(a)	(i)	Q	blue/purple (1) 11–14 (1)		Camb
		(ii)	Q R	no reaction/change (1) bubbles/fizz (1)		www.papacambridge.com
	(c)			/fizz (1) er (1) milky (1)		
	(e)	gre	en (′	1) precipitate (1)		[2]
	(f)	hyc	lroge	en (1)		[1]
	(g)	car	bon	dioxide (1)		[1]
	(h)	hyc	lroch	loric acid/HCl (1)		[1]
	(i) v	veał	(1)	acid (1)		[2]
6	volu	ume		rectly completed /minutes	volum	e/cm ³
				0	0	
				2	18	
				4	30	
				6	33	
				8	42	
			1		45	
			1		46	[3]
	(a)	A 11	noin	to plotted correctly (2)		
	(a)			ts plotted correctly (2) ny incorrect		
				line graph (1)		[3]
	(b)			6 minutes (1)		[1]
		(ii)	37/	38 cm ³ (1)		[1]
7	initi bur rec	al te n/igr ord t	mpe nite f emp	e/mass of fuel/idea of fair test (1) rature of water (1) uel (1) erature of water (1)		
		eat (npar		g. greatest temperature rise in specified time	shows be	etter fuel (1) [6]