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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the May/June 2008 question paper

0620 CHEMISTRY

0620/05

Paper 5 (Practical Test), 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.

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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Page 2	Mark Scheme	Syllabus					
. ugo z	IGCSE – May/June 2008	0620					
Experimer	t 1(a) green precipitate (1)	Syllabus A. D. Pr 0620 PROCEDURE OF THE					
Experimer	2(d) brown/orange/rust precipitate (1)	Tag					
Table of results							
Experiment 1 initial and final volume boxes correctly completed (1)							
Experiment 2 initial and final volume boxes correctly completed (2)							
differences completed correctly (1)							
comparable to Supervisor's results ± 5 cm ³ (2)							
(e) (pale) green (1)							
(f) (turns	[1]						
(g) (i) E	periment 1 (1) ecf	[1]					
(ii) m	ore in Experiment 1/greater volume (1)	[1]					
(iii) so	lution A more concentrated/stronger than B (1) ×2 (1) [2]					
(h) twice	ne volume value for Experiment 2 (1) cm ³ /ml (1)	[2]					
(i) chang	e e.g. repeat titrations (1) or use a burette/pipette						
explar	ation e.g. average reading more accurate (1) instead	of m/cylinder [2]					
(j) (i) ird	n(II) present (1)	[1]					
(ii) ir	n(III) (1)	[1]					

1

[Total: 20]

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2 Tests on solid T

(a) white (1)		te (1)	see Superviso	or's results	Tag				
(b)	(b) condensation (1)		solid goes black/chars (1)						
	gas		[max 2]						
(c)	(i)	orange/yellow (1)	pH6/5 (1)	see Supervisor's results	[2]				
	(ii)	white (1)	precipitate (1)		[2]				
	(iii)	reddish (1)	brown on hea	ting (1)	[2]				
Tes	Tests on solid V								
(d) green (1)					[1]				
(e)	(1)	[1]							
(f)	(f) smells acidic/vinegar or similar (1)								
	(i)	green (1)	pH 7/6 (1)	see Supervisor's results	[2]				
	(ii)	blue (1)	precipitate (1)		[2]				
	(iii)	green (1)			[1]				
(g)	cald	cium present (1)			[1]				
(h)	сор	per present (1)	ethanoic acid	/organic salt (1)	[2]				

[Total: 20]

[Total for paper: 40]