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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	Paper			
	IGCSE – May/June 2008	0620	05			
Experiment 1	(a) green precipitate (1)		[1]			
Experiment 2	2(d) brown/orange/rust precipitate (1)		[1]			
Table of resu	ults					
Experiment initial and final	1 al volume boxes correctly completed (1)					
Experiment initial and final	2 al volume boxes correctly completed (2)					
differences completed correctly (1)						
comparable to Supervisor's results ± 5 cm³ (2)						
(e) (pale) gr	[1]					
(f) (turns) ye	[1]					
(g) (i) Expe	[1]					
(ii) more	e in Experiment 1/greater volume (1)		[1]			
(iii) solu	tion A more concentrated/stronger than B (1) ×2 (1)	[2]			
(h) twice the	e volume value for Experiment 2 (1) cm³/ml (1)		[2]			
(i) change	e.g. repeat titrations (1) or use a burette/pipette					
explanat	ion e.g. average reading more accurate (1) instead	of m/cylinder	[2]			
(j) (i) iron((II) present (1)		[1]			
(ii) iron((III) (1)		[1]			

1

[Total: 20]

Page 3		Mark Scheme	Syllabus	Paper	
	IG	GCSE – May/June 2008	0620	05	
Tests on solid	T t				
(a) white (1)		see Supervisor's results		[1]	
(b) condensation (1)		solid goes black/chars (1)			
gas ignites/catches fire or flame (1) [m					
(c) (i) oran	ge/yellow (1)	pH6/5 (1) see Supervisor's res	ults	[2]	
(ii) white	∋ (1)	precipitate (1)		[2]	
(iii) redd	ish (1)	brown on heating (1)		[2]	
Tests on solid	Tests on solid V				
(d) green (1))			[1]	
(e) solid changes colour to copper/brown (1)					
(e) solid changes colour to copper/brown (1)					
(f) smells acidic/vinegar or similar (1)				[1]	
(i) gree	n (1)	pH 7/6 (1) see Supervisor's res	ults	[2]	
(ii) blue	(1)	precipitate (1)		[2]	
(iii) gree	n (1)			[1]	
(III) gree	11 (1)			ניו	
(g) calcium p	oresent (1)			[1]	
(h) copper p	resent (1)	ethanoic acid/organic salt (1)		[2]	

Mark Scheme

Syllabus

Paper

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[Total for paper: 40]

[Total: 20]