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

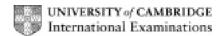
This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began.

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	ılts		
Experiment initial and final	1 al volume boxes correctly completed (1)		
Experiment initial and final	2 al volume boxes correctly completed (2)		
differences c	ompleted correctly (1)		
comparable t	to Supervisor's results ± 5 cm ³ (2)		[6]
(e) (pale) gr	een (1)		[1]
(f) (turns) ye	ellow (1)		[1]
(g) (i) Expe	eriment 1 (1) ecf		[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) cm ³ /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]

[Total: 20]

1

	Page 3	Mark Scheme	Syllabus	Paper
		IGCSE – May/June 2008	0620	05
2	Tests on solid T			

(a) white (1)	see Supervisor's results	[1]			
(b) condensation (1)	solid goes black/chars (1)				
gas ignites/catches fire	[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 heating (1)	[2]			
Tests on solid V					
(d) green (1)	[1]				
(e) solid changes colour to	[1]				
(f) smells acidic/vinegar or	[1]				
(i) green (1)	pH 7/6 (1) see Supervisor's results	[2]			
(ii) blue (1)	precipitate (1)	[2]			
(iii) green (1)		[1]			
(g) calcium present (1)	[1]				
(h) copper present (1)	[2]				

[Total: 20]

[Total for paper: 40]