UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the May/June 2008 question paper

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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06
[3]
[1]
[2]
[Total: 6]
[1]
[1]
s in tube [max 2]
[2]
[Total: 6]
[2]
[1]
[2]
[Total: 5]
[4]

Mark Scheme

Syllabus

Paper

Page 2

Page 3	Mark Scheme	Syllabus	Paper
	IGCSE – May/June 2008	0620	06
(e) (i) Exp	eriment 1 (1)		[1]
(ii) more	e in Experiment 1/greater volume (1) ×2 (1)		[2]
(iii) solu	ition A more concentrated/stronger than B (1) X	(2 (1)	[2]
(f) twice the	e volume value for Experiment 2/26 (1)	m ³ (1)	[2]
(g) change	e.g. repeat titrations (1) or use a burette/pipette		
explanat	tion e.g. average reading more accurate (1) ins	stead of m/cylinder	[2]
(h) (i) iron((II) ions present (1)		[1]
(ii) iron	(III) ions (1)		[1]
			[Total: 15]
5 Tests on soli	d T		
(b) (ii) white	te (1) precipitate (1) insoluble in exce	ss (1)	[2]
	slight (1) precipitate (1) max 4 for (ii) and reaction (1) only	(iii)	[2]
(e) weak (1)) acids (1)		[2]
(f) copper p	oresent(1) ethanoic acid/organic salt (1)		[2]
			[Total: 8]
6 (a) Table of	results		
	correctly completed (4), -1 for each incorrect		
	34, 42, 59, 63, 63		[4]
	lotted correctly (3), -1 for each incorrect line curve (1)		[4]
(c) reaction	finished/all acid used up (1)		[1]
(d) point at 3	3 minutes/at 42 cm³ (1) does not fit curve o	owtte (1)	[2]
		٠	
(e) sketch lir	ne below plotted curve (1) levels off around 30	0 cm ³ (1)	[2]
			[Total: 13]

Page 4	Mark Scheme	Syllabus	Paper
	IGCSE – May/June 2008	0620	06

7 (a) test red litmus (1) or other named indicator

result blue (1) [2]

(b) fractional (1) distillation (1) fractionation (1) [2]

(c) blue cobalt chloride paper (1) turns pink (1)

OR anhydrous/white copper sulphate (1) turns blue (1) [2]

(d) catches fire owtte (1) [1]

[Total: 7]

[Total for paper: 60]