

## **NOVEMBER 2002**

## **INTERNATIONAL GCSE**

## MARK SCHEME

**MAXIMUM MARK: 60** 

SYLLABUS/COMPONENT: 0620/6

CHEMISTRY (ALTERNATIVE TO PRACTICAL)

Page 1	Mark Scheme	Syllabus	Paper
	IGCSE Examinations – November 2002	0620	6

Question Number	Mark Scheme Details	Part Mark
	(a) A - epatula ory (1)	
	B - beaker only (1)	
	C - funnel (1) not filler	3
(	b) more than enough to react (1)	ţ
(	c) 6-7 (i)	1
2	(a) top box - sulphunic acid (1)	
	bottom bez - sodem Monde (1)	2
	(b) gas paned through water (i)	
	gas is soluble in water (1)	2
	gas collected by upward delivery (1)	
	gas is denser than air (1) mark independently	2
	(c) June cupboard / goggles (i)	1.
	or well-verbilated vom / gloves	

Page 2	Mark Scheme	Syllabus	Paper
	IGCSE Examinations - November 2002	0620	6

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Question Number	Mark Scheme Details	Part Mark
3	Points correctly plotted (2), -1 for each insmed.	
	Smooth line graph, ignoring 3 minutes point (1)	3
( b)	Point at 3 minutes, 256.69 (1) not an eurore (1)	2
(c)	gas given off (1)	1
( d)	to prevent loss of acid (2 pray) (1) only gas art	1
(e)	5 minutes (1)	1
( })	Sketch graph below original graph (1) levelling off at Same mans (1)	2

Page 3	Mark Scheme	Syllabus	Paper
	IGCSE Examinations – November 2002	0620	6

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Question Number	Mark Scheme Details	Part Mark
4 (4)	Table of results.	
(c)	Inital temperatures world (2) - 1 for any	
	18 insmed	
	21	
	19	
!	22	
	Maximum temperatures correct (2)	
	2.3	
	24	
	79	
	22	
	Differences correctly calculated (2) 3000	
(~) (I)	magnemmi (1)	
	( - kall temperature n'se (1)	
(11)	Observation - gas given off rapidly (1)	2
	Observation - gas given off rapidity	
(111)	Hydrogen (1)	
	Experiment 2	
	Initial benjactive 21 (1)	2
	maximum temperature 39 (1)	

Page 4	Mark Scheme	Syllabus	Paper
	IGCSE Examinations – November 2002	0620	6

Question Number	Mark Scheme Details	Part Mark
4(b)	temperature rise (1)	1
(c)	redox / displacement (1)	(
( d)	lent copper	
	must nagnerisa (1)	(
5(0)	catches fire/ignites(i) yellow/blue/lame smoky	2
(L)	yellow (1) precipitate (1)	2
e)	ream  white (1) precipitate (1)  yellow	2
(4)	organie (1) hydrocaton (1)  / alkane /alkene (1)	2
	2 mings.	

Page 5	Mark Scheme	Syllabus	Paper	
	IGCSE Examinations – November 2002	0620	6	

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Question Number	Mark Scheme Details	Part Mark
(*)	pipette / burette (i)	f
(6)	name (1) eg methyl arange plumintaleia.	1
	color change (2) . J yellow to orange /pink	2
In lihit	the (i) -> myle (i) pink(i) to colorhen(i)  The acid (i) less needed to neutralise	
	the KOH (1)	2
(d)	repeat experiment (1) without indicator (1)/charval	
	eraporete solution (1)	
	to cystalling point (1) max 3	3
	Acres	

Page 6	Mark Scheme	Syllabus	Paper
	IGCSE Examinations – November 2002	0620	6

Question Number	Mark Scheme Details	Part Mark
7	Known nows if ferhilner (1) Add know volume of water (1)	
	Wam to 30°C (1)	
	Stir (1)  Filler (1)  Caraprate to dayners	
	Dry and weigh revidue (1)	6
	Work out whility (1)  Max 6  Mordusion  Total	6
		,