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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2008 question paper

0654 CO-ORDINATED SCIENCES

0654/05

Paper 5 (Practical), maximum raw mark 45

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.

• CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the October/November 2008 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

									1	44	
	Pa	ge 2			Mar	k Scheme	<u> </u>		Syllabu	2.0	or
	ı a	ge z		IG	SE – Octo			3	0654	9	do l
1	(a)	(i)	temp	perature/an	nount of wa	ter;					Camb
		(ii)	B sl C sl	hould be sh hould be cu	llest and str orter and s irved; k for drawin	traight;	r quality)				da Cambridge
		(iii)		of table sho ow, green, o	ould be filled green;	d in					[1]
		(iv)	A sh B sh		•						[3]
		(v)			size of ima size of object	ect					
			ansv		andidates	values,					[3]
	(b)	box	C , p	•	upwards mo s towards				• , .	•	,
	(c)	put	a red		s in box B ; ss top of one er a few day	•	een filter a	cross the	other;		
					dentical/on		ed condition	n named;			[2 max]
											[Total: 15]
2	(a)			E correct. <i>l</i> alues are r	Do not allow eversed	if clearly	not mm				[1]
	(c)	suit T _c c	able i	range of m	s of reading asses e at least 3			ons			[4]
	(e)	no i sca plot	<i>marks</i> le is s ting c	s for graph sensible correct	pelled with uif wrong thin	ngs plotted		t. line			[4]
	(f)	cori	ectly ne is r	calculated made up of	n graph for parts, NO ing the plots	marks for (ne			[2]

	Pag	e 3	Mark Scheme	Syllabus
			IGCSE – October/November 2008	0654
	6	accuracy	calculated for candidate's figures y – between 8 and 10 llow this mark if st.line mark not given	Syllabus 67 Property of the Control
	` '	•	sonable answer – one mark for each peating more times'	[2]
				[Total: 15]
3	(a)	(i) whit	e ppt Do not allow 'milky'	[1]
	((ii) fizze	es	
	·	pops		
		hydr	rogen only if 'pops' is given	[3]
	(i	iii) effei	rvescence/bubbles OR Mg disappears	[1]
	ν.		an acid	1.1
			tains sulfate	ro.
		allov	w one if sulfuric acid	[2]
			of sodium hydroxide allow Na ₂ CO ₃ or aq NH ₃	
		ed brow ron(III)	n <u>ppt</u>	[3]
	1	1011(111)		[3]

(d) the iron(III) has been changed to iron(II) OR the iron has been reduced OR WTTE

[1]

[2]

[1]

[1]

[Total: 15]

(c) (i) decolourised/loses its colour/goes white

dissolves in the acid

(ii) white ppt

(iii) dirty green ppt