MARK SCHEME for the May/June 2011 question paper

for the guidance of teachers

0653 COMBINED SCIENCE

0653/52

Paper 5 (Practical), maximum raw mark 30

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, which would have considered the acceptability of alternative answers.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

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

Cambridge is publishing the mark schemes for the May/June 2011 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

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Page 2		Mark Scheme: Teachers' version				Syllabus	Paper		
				IGO	CSE – May/	June 2011		0653	52
1 (a)	gre	rt and ater t	han 10)();	iperature re emperatures		kimum higher	than start and	d not
				recorded		,			[3]
	(i)	corre	ect cal	culation o	f maximum	– start ;			[1]
	(ii)	corre calce	f 3 decimal pla	ces ; [2]					
	(iii)	loss inco wate	to boil mplete er not e	iosphere ; ing tube ; combust evenly hea ffecting fla	ion ; ated ;				[max 1]
	(iv)								
		dista	ance b	etween fla	ame and tub	e minimised	. ,		[max 1]
(b)) (i)	iodir	ne:	(from) (to)	orange/re black/blue				[1]
	(ii)	resu	lt: pos	itive/yes	and substar	ce: starch ;			[1]
									[Total: 10]
2 (a) a									
			of d a alues c		d at 50mm				[1] [1]
				•			sing distance	;	[1]
(c)) (i)	suita	able sc		t least 4 poir	nts ;			
				raight line		,			[3]
	(ii)	line	extend	led to cut	vertical axis	• 3			[1]
(d)	(i)	read	corre	ctly ;					[1]
	(ii)	con	verted	correctly i	nto a mass	•			[1]
	(iii)	mas	s of ru	le 2 m ; (\	vithin 10% o	of Supervisor	's Results)		[1]
									[Total: 10]

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Page 3	3	Mark Scheme: Teachers' version	Syllabus	Paper
		IGCSE – May/June 2011	0653	52
3 (a) gre	en;([1]	
• •		s white ; (ignore reference to green) ue/blue-green ;		[2]
(c) (i)		ppt. ; luble in excess ;		[1] [1]
(ii)		ppt. ; blue solution ;		[2]
(iii)	white	e ppt. ;		[1]
(iv)	catic anio	on is copper/Cu ²⁺ ; n is sulfate/SO4 ²⁻ ;		[1] [1]
				[Total: 10]

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