UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2008 question paper

0653 COMBINED SCIENCE

0653/05

Paper 5 (Practical Test), 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.

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.

www.xtrapapers.com

	Page 2	Mark Scheme	Syllabus
		IGCSE – October/November 2008	0653
1	(a) (i) tem	perature/amount of water;	Camb
	B s C s	should be tallest and straight; should be shorter and straight; should be curved; otract 1 mark for drawings of poor quality)	Syllabus W. Part er 0653 PART ARTHUR.
	` '	of table should be filled in ow, green, green;	[1]
	A sl B sl	nes should be as follows: nould be largest number; nould be second; nould be third;	[3]
	box C , p	plant grows upwards more quickly/etiolation to reach plant bends towards the light/phototropism, t nthesis);	• • • • • • • • • • • • • • • • • • • •
			[Total: 10]
2		E correct. Do not allow if clearly not mm values are reversed	[1]
	(c) and (d)	FOUR complete sets of readings i.e. for 20 oscillation T correct must have at least 3 readings of 20 osc T ² correct to 2 dp	ons values are different
	(e) scale is plotting best stra		[3]
		is shown on graph for any reasonable st.line	
	if line is	calculated made up of parts, NO marks for (f) area involving the plots is used	[2]
	(g) correctly	calculated for candidate's figures	[1]
			[Total: 10]
3	(a) (i) whit	te ppt Do not allow 'milky'	[1]
	(ii) fizze pop hyd		[3]

www.xtrapapers.com

Page 3	Mark Scheme	Syllabus	er	
	IGCSE – October/November 2008	0653	80	

- (iii) effervescence/bubbles OR Mg disappears it is an acid or contains $\mathbf{H}^{^{+}}$
- (iv) contains sulfate allow one if simply says sulfuric acid
- (b) addition of sodium hydroxide allow Na₂CO₃ or aq NH₃ red brown <u>ppt</u> iron(III) *must have correct test to score this mark*

[2]

[3]

[Total: 10]