MARK SCHEME for the October/November 2008 question paper

0653 COMBINED SCIENCE

0653/05

Paper 5 (Practical Test), maximum raw mark 30

MMM. Hiremepapers.com

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.



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	Page 2			Mark Scheme	Syllabus	Paper		
				IGCSE – October/November 2008	0653	05		
1	(a)	(i)	temp	perature/amount of water;		[1]		
	 (ii) A should be tallest and straight; B should be shorter and straight; C should be curved; 							
			(sub	tract 1 mark for drawings of poor quality)		[3]		
		• •		of table should be filled in w, green, green;		[1]		
		• •	A sh B sh	es should be as follows: nould be largest number; nould be second; nould be third;		[3]		
	(b)	 box A, plant grows upwards more quickly/etiolation to reach light (for photosynt box C, plant bends towards the light/phototropism, to improve light photosynthesis); 						
						[Total: 10]		
2	(a)	(a) value of E correct. Do not allow if clearly not mm allow if values are reversed [7						
	(c) and (d) FOUR complete sets of readings i.e. for 20 oscillations values are different T correct must have at least 3 readings of 20 osc T ² correct to 2 dp							
	(e)	plot	ting c	sensible correct ight line for their points and is reasonable st. line		[3]		
	(f)	gradient is shown on graph for any reasonable st.line correctly calculated <i>if line is made up of parts, NO marks for (f)</i>						
				rea involving the plots is used		[2]		
	(g)	corr	ectly	calculated for candidate's figures		[1]		
						[Total: 10]		
3	(a)	(i)	white	e ppt <i>Do not allow 'milky'</i>		[1]		
		(ii)	fizze pops hydr			[3]		

Pa	ge 3	Mark Scheme	Syllabus	Paper			
		IGCSE – October/November 2008	0653	05			
	(iii) effervescence/bubbles OR Mg disappears it is an acid or contains H ⁺						
	(iv) cont allov	[2]					
(b)	addition red brow	of sodium hydroxide allow Na ₂ CO ₃ or aq NH ₃					
		must have correct test to score this mark		[3]			
				[Total: 10]			