UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATION

International General Certificate of Secondary Education

MARK SCHEME for the May/June 2007 questi



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 May/June 2007 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Dogo 2	Moule Sohom	_	32.0			
Page 2	Mark Scheme IGCSE – May/June		ago.			
(a) (i) goo	d quality drawing of leaf showing	·	W. Papal	almb.		
(ii) clea	ar label to any vein, including peti	iole, labelled T ;		Tage		
	er surface is a darker (green) thate chlorophyll/chloroplasts preser					
air or ot	appear from lower surface of lea ner named gases present inside hrough stomata;	,		[3]		
` ' ` '	ar drawings; a four different shapes of leaves o	clearly visible and nam	ned;	[2]		
star spli eac	(ii) any attempt at producing a key (1) starting point is 'leaves' (1) split into two parts e.g. edges different (1) each of above separated again (one mark for each separation) (2) correct identification (1)					
do not allow vague terms like longer/shorter, bigger/smaller						
(an example of a correct answer is shown below)						
leaves						
leaf div	ided into leaflets (parts)	leaf is a	a single structure			
leaflets para	lel leaflets fan outwards	smooth edge	prickly edge			
ash	horse-chestnut	willow	holly			

[Total: 15]

			32
Page	3	Mark Scheme	.03
		IGCSE – May/June 2007	TO SO
		value for current nit for current	ww.panaCambridge.com
(b) va	alue for	current less than in (a)	COM
(c) (i		sible value for voltage sistency of readings i.e. same no. of sig figs	
(ii	i) simil	lar value to (c)(i) unless help given in setting up	[1]
(d) (i	R co	of V/I for both lamps prect for both lamps (must use 2 nd value of I) ect unit for resistance	[3]
(ii	i) com simil	ments on V and R for each lamp (1) within experime lar	ental error, therefore lamps are [2]
(e) (i	amm	os correctly placed neter correctly placed cuit does not work then no marks	[2]
(ii	•	n in parallel the resistance is less (1) reater current therefore lamps brighter (1)	[2]
			[Total: 15]

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Page 4	Mark Scheme	.03
	IGCSE – May/June 2007	2000
	powders allow grey or brown for one of these ore finely divided or comment to differentiate	ww. PapaCambridge.
(b) (i) s	nall amount of bubbles (must be a difference to (ii))	
re	uch bubbling ights ygen (tied to relights)	
(iii) s	lid Y	[1]
. ,	s bleached NOT red e (tied to bleached)	[2]
(d) (i) b	ue or green	[1]
(ii) b	ue ppt. (1) insoluble in excess (1)	[2]
(e) coppe	oxide	[1]
(f) use o	ammonia to produce dark blue solution	[2]
		[Total: 15]