UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

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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 2008 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Page 2	Mark SchemeSyllabusIGCSE – May/June 20080654	2
	d quality drawing, sharp pencil, clear outline; ves obviously wilted or 1 or more leaves partially shaded	acambr
(ii) lack wate	<pre>c of water (1) er lost from leaves by <u>evaporation/transpiration;</u> water not replaced through stem;</pre>	WWW, Papacambridge [2]
(iii) sten	m of twig clearly shaded in; (may include part of leaf)	[1]
	od/lignin provides support; vides support even when water is scarce;	[2]
	ality drawing, sharp pencil, clear outline; learly labelled in at least one place;	[2]
(c) (i) wind	d speed /humidity/light intensity/availability of water	[1]
	in environments of different temperatures; fixed time;	
cut t	through stalks to see how high the dye has travelled; test rate will be highest up the stalk;	[4]
	otosynthesis/turgor/transport (of minerals)	[1]
		[Total: 15]
Complet Mass co	or h₀ must be in mm te set of readings for 1 st three columns (check they are sensible) prrectly converted to Newtons on correct for each set	[4]
scale is s	rrectly labelled lose this mark if masses are plotted sensible correct ignore zero K and it must pass through zero	[4]
(c) correct fr mass to	from graph Newtons and read correctly	[2]
(d) yes, (1) :	straight line shows proportionality (1)	[2]
	ger masses ether line departs from straight graph this must show steep rise in extension for small increase in fo	orce [3]

