UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS GCE Ordinary Level

MARK SCHEME for the October/November 2011 question paper for the guidance of teachers

5038 AGRICULTURE

5038/31

Paper 3 (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 October/November 2011 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

		GCE O LEVEL - October/November 2011 3036	31
1	(a) (i) AS1	Label for any two parts correctly labelled root hair and leaf. One mark for each (max 2) Quality of drawing (up to 2)	[4]
	(ii) AS2	Label for root hair and leaf. (1) Rhizome labelled or any correct part (1)	
		Quality of drawing (up to 2)	[4]
	(b) (i) AS1	Hairy leaves waxy cuticle (1)	
	() ()	Rosette leaves, low to ground. (1)	
	(ii) AS2	Able to shoot / grow from rhizome if broken (1)	
	(,	Spreads underground (1)	[4]
			[Total: 12]
			[10tal. 12]
2	(a) (i) AS3	blue / no change — no alucaca	
2	(a) (i) AS3 AS4	blue / no change no glucose brick red or glucose	
		green yellow	ro1
		Both boxes complete for mark	[2]
	(ii) AS3	blue black starch	
	AS4	blue black starch Both boxes complete for mark	[2]
		Both boxes complete for mark	[2]
	(iii) AS3	blue no protein	
	AS4	purple protein Both boxes complete for mark	[2]
		·	
	(b) AS4	all nutrient present and protein for growth.	[2]
	(13)	an namen present and present to great in	
			[Total: 8]
3	(a) AS5 AS6	18gms 10% 15gms 25%	[4]
	ASO	(Working not essential)	[4]
		, ,	
	(b) (i) neutral	I not alter results	[1]
	() ()		[.]
	(ii) blue/gre 8.0	een red 4.0	[4]
	0.0	4.0	ניין
	(c) add lime / of	nalk / any suitable method	[1]
	(o) add lillie / Cl	idik / dity suitable metrod	ניו
			[Total: 10]

Mark Scheme: Teachers' version

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Syllabus

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