## UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS GCE Ordinary Level

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

## **5038 AGRICULTURE**

5038/32

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.

Page 2	Mark Scheme: Teachers' version	Syllabus	Paper
	GCE O LEVEL – October/November 2011	5038	32
1 (a) (i) AS	Label for any two parts correctly labelled root ha One mark for each (max 2) Quality of drawing (up to 2)	ir and leaf.	[4]
(ii) AS	2 Label for root hair and leaf. (1) Rhizome labelled or any correct part (1) Quality of drawing (up to 2)		[4]
(b) (i) AS	Hairy leaves waxy cuticle (1) Rosette leaves, low to ground. (1)		
(ii) AS	Able to shoot / grow from rhizome if broken (1) Spreads underground (1)		[4]
			[Total: 12]
2 (a) (i) AS			[2]
(ii) AS AS	3 blue black starch		[2]
(iii) AS AS			[2]
(b) AS	4 all nutrient present and protein for growth.		[2]
			[Total: 8]
3 (a) AS			[4]
(b) (i) ne	utral / not alter results		[1]
<b>(ii)</b> blu 8.0	e/green red 4.0		[4]
(c) add lim	e / chalk / any suitable method		[1]
			[Total: 10]

Mark Scheme: Teachers' version

**Syllabus** 

Paper

Page 2