UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS GCE Ordinary Level

MARK SCHEME for the May/June 2009 question paper for the guidance of teachers

5038 AGRICULTURE

5038/03

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.

• CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the May/June 2009 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 – May/June 2009	5038	03	
1	(a)	mark for identifiable diagram AS2 mark for labelled skin or eye bud/stored food, OWTE;		[2]			
				mark for identifiable drawing		[2]	
		(ii)		seed or pulp mark for identifiable drawing food store, flesh or OWTE		[2]	
			7.02	mark for identifiable drawing		[2]	
	(b)	(i)		brick red – glucose present brick red or green – glucose present, or less glucose		[2]	
			(Irisl	h potato) blue/no change no glucose			
		(ii)		yellow colour – no starch blue/black – starch present		[2]	
		(iii)		blue colour – no protein present			
			A52	blue colour/ accept purple – no protein present but accept slight of	or some protein (OTWE [2]	
	(c)		ease surface area ed up reaction ; OWTE				
	(d)	mer		ection of toxic or harmful substances/ or burns skin/			
		was	sh har	nands or wear lab coat/gloves; any three valid points for precautions leading to accurate results.			
						[Total: 19]	
2	(a)	AS4	1 Blu	d-Yellow 4.0-5.0 e-purple 8.0- 9.0 pervisors report)		[4]	
	(b)	(b) soil AS3 low pH/lack of lime or calcium in soil				[1]	
						[Total: 5]	
2	/s\	A 0.	.	monium propont			
3	(a)			monium present sulphate present present not present		[4]	
	(b)	AS		ason no sulphate or idea that chemicals could be toxic	, both required fo	or mark. [1]	
				ason – no ammonium or sulphate a that they could be harmful or toxic, both needed for i	mark	[1]	

[Total: 6]