UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS **GCE Ordinary Level**

www.papacanbridge.com MARK SCHEME for the May/June 2011 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.

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

Cambridge is publishing the mark schemes for the May/June 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 GCE O LEVEL – May/June 2011			Syllabus	er
	5038	°C.			
a) (i)	AS1	red/orange	pH 4.5		mbric
-	AS2	green	pH 7.0	Syllabus 5038	
F	AS3	blue/green	pH 8.0		
L (:	= or- 1 pH fr	om the pH given on	I	[6]	
(ii) A	-	on		L · 3	
	pH of 8.0/is alkaline/reference to colour/more nutrients. OWTE				
	AS4 gritty, rough OWTE				[1]
		th, sticky OWTE parts of plants disting		[1] [1]	
(ii)				I	
ļ	heavy clay soil		AS5		
Ļ	dark rich organic soil		AS6		
L	coarse	gritty sandy soil	AS4		
А	All correct			[1]	
				Γ	Total: 12]
a)					
,	AS7	litmus turn	is blue		
	AS8	no chai	nge		
					[2]
)			I		
	AS7	clear or powde	r at bottom		
				1	

[2]

					Mary Mary	
	Page 3		Mark Scheme:	er		
		GCE O LEVEL – May/June 2011 5038				30
	(c)					an
	•	AS	1 Test 1 conclusions	Test 2 conclusions		onig
		AS	2 ammonium ions present	carbonate ions not present		acambridge.com
		AS	3 no ammonium present	carbonate ions present		
						[4]
						[Total: 8]
3	(a) wi	[2]				
	(b) se	[4]				
	(c) lai sc cle	[2] [1] [1]				

[Total: 10]