UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS GCE Ordinary Level

MARK SCHEME for the October/November 2009 question paper for the guidance of teachers

5038 AGRICULTURE

5038/03

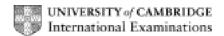
Paper 3 (Written Paper), maximum raw mark 30

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.

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			GCE O LEVEL – October/November 2009	5038	03
1	(a) (i) labelled petal and sepal correctly labelled anther, filament, stamen mark for recognisable drawing where parts are clearly identifiable, no need				be artistic [max 4]
	(rectly labelled stigma, style and ovules rk for recognisable drawing		[max 3]
	(i	iii) col	our, smell, target shape, the presence of nectar (any two	0)	[2]
	(b)	(tw	t, stem, leaf or flower or other obvious parts clearly labe o labelled = 1 mark, three labelled = 2 marks) ognisable drawing of the parts	elled	[max 3]
	(oosed anther / stigma OWTTE cept reasons explained or a description		[2]
					[Total: 14]
2	 (i) mark for completed chart showing a rising pattern AS4 should be slightly higher AS3 should be slightly lower where data plotted correctly accept reverse answers when most candidates have t pattern 				[1] [1] e the same
	(ii)	AS4 (ad	ccept AS3 if most candidates results are showing the sa	ame)	[1]
	, ,	 (correct graph as plotted from candidate data) X and Y axis labelled appropriately (1 mark for each correct) AS3 and AS4 plotted as per table (1 mark for each) 			[max 4]
	(iv)	surface	is air temperature / variable / direct heat		[1]
	(v)	differen	t water content of soils could affect results because of e	evaporation	[1]
(vi) r		repeat / greater depth of soil / longer time / exactly the same moisture levels OWT			VTTE [1]
					[Total: 10]
3		clay – A	d organic – AS7 AS6 sandy soil – AS5		[3]
		absorbs	l freely – AS5 s Sun's energy – AS7 lime may improve – AS6		[3]
					[Total: 6]

Mark Scheme: Teachers' version

Syllabus

Paper

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