www.PapaCambridge.com

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.

CIE is publishing the mark schemes for the October/November 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	er
	GCE O LEVEL – October/November 2009	5038	100-

1	(a)	(i)	labelled petal and sepal correctly labelled anther, filament, stamen mark for recognisable drawing where parts are clearly identifiable, no need to be artis. [max.	
		(ii)	correctly labelled stigma, style and ovules mark for recognisable drawing	[max 3]
	((iii)	colour, smell, target shape, the presence of nectar (any two)	[2]
	(b)	(i)	root, stem, leaf or flower or other obvious parts clearly labelled (two labelled = 1 mark, three labelled = 2 marks) recognisable drawing of the parts	[max 3]
		(ii)	exposed anther / stigma OWTTE accept 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 the sampattern		[1] [1] ne same
	(ii)	AS	4 (accept AS3 if most candidates results are showing the same)	[1]
	(iii)	Ха	rrect graph as plotted from candidate data) and Y axis labelled appropriately (1 mark for each correct) and AS4 plotted as per table (1 mark for each)	[max 4]
	(iv)	sur	face is air temperature / variable / direct heat	[1]
	(v)	diffe	erent water content of soils could affect results because of evaporation	[1]
	(vi)	rep	eat / greater depth of soil / longer time / exactly the same moisture levels OWTT	E [1]
			[Total: 10]
3	(i)	clay	rk and organic – AS7 y – AS6 arse sandy soil – AS5	[3]
	(ii)	abs	ched freely – AS5 sorbs Sun's energy – AS7 ding lime may improve – AS6	[3]
				[Total: 6]