UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS GCE Ordinary Level

MARK SCHEME for the October/November 2010 question paper for the guidance of teachers

5038 AGRICULTURE

5038/03

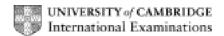
Paper 3 (Practical), maximum raw mark 30

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 October/November 2010 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



1	(a)	any suitable part include stem/leaf node/flower/seed/seed pod/root/roothair/main root 1 mark for each suitable and correctly labelled part (max 3) 1 mark for an interpretable diagram			
		1 mark for a clear diagram with easily identifiable parts (max 2) [5			
	(b)	clear dı	itious root, leaf, rhizome rawing/diagram etable diagram	1 mark each 1 mark 1 mark (max 2)	[5]
	(c)	asexual reproduction/possible to spread underground/branches out/each piece grown broken off (max 2)			s out/each piece grows if [2]
					[Total: 12]
2	(a)	correctl valid da	ly entered data ata	1 mark 1 mark	[2]
	(b)	correctly drawn and labelled axes 1 mark each (max 2) columns drawn accurately as per results table for AS3 and AS4 1 mark each (max 2) [4]			
	(c)	AS3	space allows water movement		
		AS4	clay – large surface area/small particles fit together closely/clay does not dra freely/humus soaks up water/		
			little sand to aid drainage OWT any TWO	E	[2]
					[Total 10]
3	(a)	AS5 AS6 AS7	thin liquid/like water steady flow OWTE thick/slow moving viscose/dense	fastest/free steady/moderate flow slow/little movement	
	1 mark for each correct observation				[max 6]
	(b) AS7 heavy or thick/more inclined to stick OWTE 1 mark for sample				
		1 mark for suitable reason			
					[Total: 8]

Mark Scheme: Teachers' version
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Syllabus

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Paper 03