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.



	Page 2		Mark Scheme: Teachers' version GCE O LEVEL – October/November 2010		Syllabus	Paper
					5038	03
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)				
	(b)	clear dra	ous root, leaf, rhizome wing/diagram able diagram	1 mark each 1 mark 1 mark (max 2)		[5]
	(c)	(c) asexual reproduction/possible to spread underground/branches out/each piece gro broken off (max 2)				
						[Total: 12]
2	(a)	correctly valid dat	entered data a	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) 				
	(c)	AS3 drains freely – lots of sand/coarse large particles/space for water movement/more a space allows water movement any TWO				
		AS4	clay – large surface area/s freely/humus soaks up water	[2] nall particles fit together closely/clay does not drain		
		little sand to aid drainage OWTE any TWO				[2]
						[Total 10]
3	(a)	AS6 AS7	thin liquid/like water steady flow OWTE thick/slow moving viscose/dense or each correct observation	fastest/free steady/moderate flow slow/little movement		[max 6]
	(b)	(b) AS7 heavy or thick/more inclined to stick OWTE				
	1 mark for sample 1 mark for suitable reason					[2]
						[Total: 8]

[Total: 8]

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