## 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.

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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 dı	itious root, leaf, rhizome rawing/diagram etable diagram	1 mark each 1 mark 1 mark (max 2)	[5]
	(c)	(c) asexual reproduction/possible to spread underground/branch broken off (max 2)			es 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 <b>AS3</b> and <b>AS4</b> 1 mark each (max 2) [4]			
	(c)	AS3	drains freely – lots of sand/coarse large particles/space for water movement/more air space allows water movement any TWO [2]		
		AS4	clay – large surface area/small particles fit together closely/clay does not drain freely/humus soaks up water/ little sand to aid drainage OWTE		
			any TWO		[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

GCE O LEVEL – October/November 2010

Syllabus

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