## UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS GCE Ordinary Level

## MARK SCHEME for the May/June 2008 question paper

## **5038 AGRICULTURE**

5038/03

Paper 3 (Practical), maximum raw mark 30

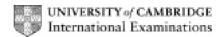
This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

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 May/June 2008 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



	Page 2		Mark Scheme	Syllabus	Paper
			GCE O LEVEL – May/June 2008	5038	03
1	(a) gritty/sharp/rough/little clay Any two				[2]
	(b)	smooth/s Any two	sticky/spongy		[2]
	(c)	AS2 little Up to 2 n	wing sand thin layer of clay and humus layer sand, more silt and clay more humus than <b>AS1</b> narks for each correct diagram or correct order, 1 mark for proportion		[4]
	(d)	AS2 mor	than 5mm te than 5mm ach correct		[2]
	(e)	AS2 hum	e particles lots of sand and air spaces nus stores/holds water/clay for nutrients and holds toge h correct response	ether	[max 2]
					[Total: 14]
2	(a)		ccept seed coat/micropyle/hilum – accept scar el 1 mark, <b>must</b> be in correct position		[3]
	(b)	•	n/radicle/plumule el 1 mark, in correct position		[3]
	(c)	black or l starch (1	blue black (1) )		[max 2]
	(d)	protein (1) Biuret solution or sodium hydroxide and copper sulphate – accept millons reagent test (1) [max 2]			
					[Total: 10]
3	(a)	spark plu	ıg		[1]
	(b)	Insulator All clearly	/top terminal/gap/electrode/core electrode with resistor/gasket/washer/thread y labelled		
		2 marks	for diagram, 2 marks for correct labels		[max 4]
	(c)	Any 1 of dirty/wrong gap/cracked insulator/loose terminal/oily/wet carbon deposits/worn tip [1			
					[Total: 6]