MNN. Arrenne Babers Com

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2007 question paper

0654 CO-ORDINATED SCIENCES

0654/05

Paper 5 (Practical), maximum raw mark 45

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 October/November 2007 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



		L. Company			· ·						
1	(a) (i)	clear drawings; with visible differences between raisins (raisin A should be larger in size and rounder than raisin B); [2]									
	(ii)	raisin A has become water has entered the	[2]								
	(iii)	solution in which raisin A was immersed was less concentrated (or a high potential) than the raisin cells; water entered; by osmosis; until cells of raisin become turgid;									
	(b) (i)		[3 max]								
	(6) (1)	mot row or table ber	[~]								
	(ii)	second row of table	below completed	correctly;;		[2]					
		test on urine	sample D	sample E	sample F	sample G					
		Benedicts test	blue	blue	red	blue					
		protein test	blue	blue	blue	lilac					
	(iii)	(diabetes) sample F (kidney failure) sam	[2]								
	(iv)	white precipitate for sample E ;	[2]								
						[Total: 15]					
2	(a) sta	stating the value of resistance/m should be the same as the supervisor [1									
(b)&(c) 5 values of y and <i>I</i> good range of y to include 85 or more											
	(d) (i)	R is correctly calculated current decreases where	[1]								
	(ii)	IR is calculated cor2 places of decimals	[2]								
	(e) Gr A S P C Or	•	w one error			[5]					

Mark Scheme

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Paper 05

Syllabus

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	Page 3			Mark Scheme	Syllabus	Paper		
				IGCSE – October/November 2007	0654	05		
((f)	corr		[1]				
((g)	expl simi		[2]				
			[2]					
						[Total: 15]		
3 (Chemistry question							
((a)		colo	urless/no change/cloudy/stayed the same NOT clea	r			
	Z is pink all need to be correct					[1]		
		all n						
		X is Y is						
	Z is an alkali each incorrect lose a mark to zero					[2]		
		eac						
((b)	test	/					
			chloride					
	it must be clear that the candidate has carried out the experiment if in doubt, maximum of two marks					[3]		
((c)	(i)	pink	colour disappears/colourless		[1]		
		(ii)	pink	colour disappears/colourless				
				vescence ot allow clear as equal to colourless		[2]		
			u0 11	ot allow clear as equal to colouriess		[4]		
((d)	(i)	white	e precipitate				
			disso	olves in excess		[2]		
		(ii)	white	e precipitate				
			prec	ipitate does not dissolve		[2]		
((e)	Y co						
		[2]						
						[Total: 15]		