MARK SCHEME for the October/November 2010 question paper

for the guidance of teachers

0653 COMBINED SCIENCE

0653/51

Paper 5 (Practical Test), 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							llabus	bus Pa					
				IC	GCSE –	Octobe	er/Nove	ember 2	010	C	653		51	
1	(a)	(i)	A , B ,	red in Ta , D blue ; purple ;										[2]
		(ii)	C and	d E ;										[1]
	(b)	(i)	B , blu	red in Ta ue / black brown / y	;	rance :								[2]
		(ii)		ion B ;		, ango								[1]
	(c)	(i)	A , blu	-										
			D, ree	d/orang	е;									[1]
		(ii)	(solut	tion) D ;										[1]
	(d)) add both protein solutions to starch solution ; test with Benedict's solution amylase produces a positive result for reducing sugar ;								[2]				
												[Total:	10]
2	(a)	sen curi	rent is		alf when	both la	mps co		voltage ; ;					[3]
	(b)	pro	duct o	fp.d. an	d curren	t is corr	ect for	figures ;						[1]
	(c)	the	result	t fits resu s confirm ark if car	n the orig	-			ct answer)					[2]
	(d)			greater ect in eit			np useo	d ;						[2]
	(e)	statement fits results ; the results confirm the original statement ; (allow 1 mark if results 'do not fit' and the correct reasoning is also given).							[2]					
												[Total:	10]

	Page 3		Mark Scheme: Teachers' version	Syllabus	Paper			
			IGCSE – October/November 2010	0653	51			
3	(a)	 (a) solid turns white ; then brown (black acceptable) ; white smoke ; (allow reference to sulfur dioxide / sublimation in lieu of marks allocated to change of solid) 						
	(b)	litmus bli ammonia			[2]			
	(c)	(i) gree	n ;		[1]			
		(ii) white	e ppt. ;		[1]			
	(e)	iron(II) ;	ammonium ; sulfate ; (one mark for each)		[3]			
					[Total: 10]			