CAMBRIDGE INTERNATIONAL EXAMINATIONS Cambridge International General Certificate of Secondary Education

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0653 COMBINED SCIENCE

0653/52

Paper 2 (Practical Test), maximum raw mark 30

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Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

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Page 2	Mark Scheme Syn	oer oer
	Cambridge IGCSE – October/November 2014 06	1000
I (a) f	ull set of results (colours) recorded for tube A ; ull set of results (colours) for tube B ; forrect trend for tube A (later samples are brown/orange) ; <i>(check Superviso</i> forrect trend for tube B (all blue-black) ;	rs results)
(b) a k s	mount of starch reduces/no starch by end of experiment ; prown colour appears when no more starch present ; tarch (is) digested/starch (is) broken down by the amylase ;	[3]
(c) (i) starch is still present ;	[1]
(amylase is, denatured/not working/inactive ; starch is not broken down ; 	[2]
		[Total 10]
(a) (i) initial temperature of P recorded to nearest 0.5°C;	[1]
(1	 i) sensible final temperature of P (expect increase of 2-4 °C); 	[1]
(ii	 i) sensible final temperature of Q (expect decrease of 1-2°C); 	[1]
(b) k k	ooth temperature <u>changes</u> correct (ignoring signs) ; ooth signs correct ;	[2]
(c) (blue ppt. ; dark blue solution/deep blue solution/purple solution ; copper/Cu²⁺/copper(II) ; (depends on observation of blue) (not Cu) 	[3]
(1	i) sodium hydroxide solution AND blue ppt. ;	[1]
(i	i) white ppt. AND chloride ;	[1]
		[Total: 10 ⁻

