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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the May/June 2008 question paper

0625 PHYSICS

0625/05

Paper 5 (Practical), maximum raw mark 40

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	
1	(b)	clear exp		IGCSE – May/June 2008 planation/diagram	0625	05 [1]	
	(d)	b > a	а	88 – 42 cm n, cm or mm, with unit		[1] [1] [1]	
	(e)	W c	orrec	et calculation (ecf)		[1]	
	(f)	a + 1	b = 2	nd <i>b</i> values, both less than 50 cm 28 – 32 (cm) alues same to within 10%		[1] [1] [1]	
	(g)			nethod ficant figures and unit N		[1] [1]	
						[Total: 10]	
2	All	ts V, V to a I to a alues siste cuit 1	at leas t leas corr ent 2 I val	(symbol/word) ust 1 dp, less than 3 V ust 2 dp, less than 1 A rect (ecf) or consistent 3 sig fig for R lue greatest lue < circuit 2 I value		[1] [1] [1] [1] [1] [1]	
	(b)			(if within 10%) No (if not) ninth value calculated and compared		[M1] [A1]	
				perature change/zero error in meter/ ps unlikely to have same resistance		[1] [Total: 10]	
3	(a)	(a) Table: container A complete temp records descending container B complete temp records descending temps to nearest 1 °C or better					
	(b)	(b) Graph: Temperature axis labelled θ/°C Suitable scale (plots occupy at least ½ grid) Plots correct to nearest ½ square Lines well judged curves Lines thin					

		IGCSE – May/June 2008	0625	05			
(c	(c) Statement: larger surface area increases rate of cooling/ no significant effect (depending on readings)						
	Justificat Correct r		1				
				[Total: 10]			
al no E P:	race: I lines prese ormal drawr F at 30° to r ₃P₄ distance J at least 5		[1] [1] [1] [1]				
(h	a correct	to 2mm		[1]			
(j)	b correct	to 2mm		[1]			
(1)		ecorded, both in mm, cm or m with unit		[1]			
(n		alculation of <i>n</i> , value 1.3–1.7 ficant figures with no unit		[1] [1]			
				[Total: 10]			

Mark Scheme

Syllabus

Paper

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