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			
		IGCSE – May/June 2008	0625	05			
1	(b) clear ex	[1]					
	(d) a + b = 3 b > a	38 – 42 cm		[1] [1]			
		n, cm or mm, with unit		[1]			
	(e) W correct	ct calculation (ecf)		[1]			
		nd <i>b</i> values, both less than 50 cm 28 – 32 (cm)		[1] [1]			
		alues same to within 10%		[1]			
	(g) correct r 2/3 signi	nethod ificant figures and unit N		[1] [1]			
	_, c e.g.			[Total: 10]			
2	Table: Units V, A, Ω	2 (symbol/word)		[1]			
	All V to at lea		[1] [1]				
	R values cor	•		[1] [1]			
	Circuit 3 <i>I</i> value < circuit 2 <i>I</i> value						
		(if within 10%) No (if not) e ninth value calculated and compared		[M1] [A1]			
		perature change/zero error in meter/ nps unlikely to have same resistance		[1]			
				[Total: 10]			
3	(a) Table:						
	container A complete temp records descending container B complete temp records descending temps to nearest 1 °C or better		1 1 1				
	(b) Graph: Temperature axis labelled θ/°C						
	Suitable scale (plots occupy at least ½ grid) Plots correct to nearest ½ square						
	Lines we Lines th	ell judged curves in		1 1			

Pa	ge 3	Mark Scheme	Syllabus	Paper
		IGCSE – May/June 2008	0625	05
(c)	no signifi Justificat	rface area increases rate of cooling/ cant effect (depending on readings)		1 1 [Total: 10]
all li norr EF a P₃P	Trace: all lines present, thin, neat and in correct areas normal drawn EF at 30° to normal (by eye) P_3P_4 distances at least 5 cm KJ at least 5 cm			[1] [1] [1] [1]
(h)	a correct	to 2mm		[1]
(j)	b correct	to 2mm		[1]
(I)	c and d r a and b b	ecorded, ooth in mm, cm or m with unit		[1]
(m)		alculation of <i>n</i> , value 1.3–1.7 ficant figures with no unit		[1] [1]
				[Total: 10]