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	
			IGCSE – May/June 2008	0625	05	
1	(b) cle	ear exp	planation/diagram		[1]	
		+ b = 3 > a	88 – 42 cm		[1] [1]	
	bo	oth in m	n, cm or mm, with unit		[1]	
	(e) W	correc	ct calculation (ecf)		[1]	
			nd <i>b</i> values, both less than 50 cm		[1] [1]	
			alues same to within 10%		[1]	
		orrect n 3 siani	nethod ficant figures and unit N		[1] [1]	
		J			[Total: 10]	
2	Table: Units \		(symbol/word)		[1]	
			ast 1 dp, less than 3 V st 2 dp, less than 1 A		[1] [1]	
	R valu	es cori	rect (ecf) or consistent 3 sig fig for R		[1] [1]	
	Circuit	:1 <i>I</i> val	lue greatest		[1] [1]	
	Circuit 3 I value < circuit 2 I value					
	(b) (i)		(if within 10%) No (if not) ninth value calculated and compared		[M1] [A1]	
	(ii)		perature change/zero error in meter/ ps unlikely to have same resistance		[1]	
					[Total: 10]	
3	(a) Ta	able:				
	CC	ntaine intaine	r A complete temp records descending r B complete temp records descending		1 1	
	te	mps to	nearest 1 °C or better		1	
	(b) G	-	ature axis labelled <i>θ</i> /°C		1	
	Sı	1				
	Li		rect to nearest ½ square ell judged curves n		1	

	Page 3	Mark Scheme	Syllabus	Paper
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	(c) Statement: larger surface area increases rate of cooling/ no significant effect (depending on readings) Justification: Correct reference to gradients of lines			1 1 [Total: 10]
4	normal drawr EF at 30° to r	normal (by eye) es 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, both in mm, cm or m with unit		[1]
	· ,	alculation of <i>n</i> , value 1.3–1.7 icant figures with no unit		[1] [1]