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.



	Pa	ge 2	Mark Scheme	Syllabus	Paper
	/ L \	ماممه	igcse – May/June 2008 explanation/diagram	0625	05
1	(D)	[1]			
	(d)	a + b = b > a	= 38 – 42 cm		[1]
			n m, cm or mm, with unit		[1] [1]
	(e)	W cor	rect calculation (ecf)		[1]
	(f)		and b values, both less than 50 cm		[1]
			= 28 – 32 (cm) values same to within 10%		[1] [1]
	(a)	correc	t method		[1]
	(9)		pnificant figures and unit N		[1]
					[Total: 10]
2	All	ts V, A, V to at le alues c asistent cuit 1 I cuit 3 I O (i) Yo O	Ω (symbol/word) least 1 dp, less than 3 V least 2 dp, less than 1 A lorrect (ecf) 2 or consistent 3 sig fig for R lovalue greatest lovalue < circuit 2 I value les (if within 10%) No (if not) les ninth value calculated and compared les mperature change/zero error in meter/ lamps unlikely to have same resistance		[1] [1] [1] [1] [1] [1] [M1] [A1]
					[Total: 10]
3	(a)	contai	ner A complete temp records descending ner B complete temp records descending to nearest 1 °C or better		1 1 1
	(b)	Suitab Plots o	erature axis labelled θ /°C le scale (plots occupy at least ½ grid) correct to nearest ½ square well judged curves		1 1 1 1

Page 3	Mark Scheme	Syllabus	Paper
	IGCSE – May/June 2008	0625	05
larç no	atement: ger surface area increases rate of cooling/ significant effect (depending on readings)		1
	stification: rrect reference to gradients of lines		1
001	Troot relevance to gradiente et imos		•
			[Total: 10]
normal	present, thin, neat and in correct areas drawn 0° to normal (by eye)		[1] [1] [1]
	stances at least 5 cm		[1]
	east 5 cm		[1]
(h) a c	orrect to 2mm		[1]
(j) bc	orrect to 2mm		[1]
` '	nd <i>d</i> recorded,		
a a	and b both in mm, cm or m with unit		[1]
	rect calculation of <i>n</i> , value 1.3–1.7		[1]
2/3	significant figures with no unit		[1]
			[Total: 10]