MARK SCHEME for the May/June 2007 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.

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	Page 2		Mark Scheme IGCSE – May/June 2007	Syllabus 0625	Paper 5
1	(b)	θ_1 sensi	ible room temp	0023	5 [1]
	(d)	$ heta_2$ suitab	ble hot water temp down to 60°C		[1]
	(f)	$ heta_3$ (great	ter than θ_1 and less than θ_2)		[1]
	(g)	$ heta_2$ (a littl	e less than or equal to θ_2 in (d))		[1]
	(i)	$ heta_3$ less t	han θ_2 in (g) and greater than θ_3 in (f)		[1]
	(b)		emperatures in °C, correctly written lence of temperatures to 1°C		[1] [1]
	(j)	(i) heat	t loss to surroundings		[1]
		insu lid spee repe wait stirri	to record maximum temperature		[2]
					[Total: 10]
2	(a)	record o	f h_0 , sensible (25 – 100cm) with correct unit		[1]
	(c)	evid	ets of <i>d</i> and <i>h</i> lence of <i>h</i> to nearest mm ect arithmetic for <i>b</i>		[1] [1] [1]
	(i)	plots to r	axis labelled with symbol / unit nearest ½ sq (-1 each error or omission) and best fit		[1] [2] [1]
	(j)	OR nega	raight line) through origin (ecf) ative gradient increases, <i>d</i> decreases		[1]
	(k)		et square / protractor / spirit level / plumbline		[1]
	. ,				[Total: 10]

	Page 3	Mark Scheme	Syllabus	Paper	
		IGCSE – May/June 2007	0625	5	
3	(b) – (f) tabl sen both both corr first both	[1] [1] [1] [1] [1] [1]			
	(g) all corre	ct units: V, A, Ω (symbol or word)		[1]	
	(h) fourth bo	DX		[1]	
	(i) second	R ¼ of first (or similar wording)		[1]	
				[Total: 10]	
4	 (a) – (g) table complete with x, y and f values all x, y and f given to nearest mm all x, y and f in m correct arithmetic for f f values 140 – 160 mm 				
		average <i>f</i> <i>f</i> to 2/3 sf unit for average <i>f</i> (m, cm, mm)		[1] [1] [1]	
	metre ru object a mark on lens per choosing				
		ce of parallax error, if action and reason given		[2]	
				[Total: 10]	

[Total: 10]