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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

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.

CIE is publishing the mark schemes for the May/June 2007 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)	A sensi	IGCSE – May/June 2007	0625	5 [1]
•	(5)	(b) θ_1 sensible room temp			
	(d)	$ heta_2$ suitab	le hot water temp down to 60°C		[1]
	(f)	$ heta_3$ (great	ter than θ_1 and less than θ_2)		[1]
	(g)	θ_2 (a little	e less than or equal to $ heta_2$ in (d))		[1]
	(i)	$ heta_3$ less th	han θ_2 in (g) and greater than θ_3 in (f)		[1]
	(b)		emperatures in °C, correctly written ence of temperatures to 1°C		[1] [1]
	(j)	(i) heat	loss to surroundings		[1]
		insu lid spee repe wait	to record maximum temperature		
		stirri inclu	ng ude beaker in calculation		[2]
					[Total: 10]
2	(a)	record of	f h_0 , sensible (25 – 100cm) with correct unit		[1]
	(c)	`´evid	ts of <i>d</i> and <i>h</i> ence of <i>h</i> to nearest mm ect arithmetic for <i>b</i>		[1] [1] [1]
	(i)	plots to r	exis 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)		7.4 1
	/1-\		increases, d decreases		[1]
	(K)	use of se	et square / protractor / spirit level / plumbline		[1] [Total: 10]
					[10tal. 10]

	Page 3	Mark Scheme	Syllabus	Paper
		IGCSE – May/June 2007	0625	5
3	(b) – (f) table sens both both correfirst both		[1] [1] [1] [1] [1] [1]	
	(g) all correc	et units: V , A , Ω (symbol or word)		[1]
	(h) fourth bo	x		[1]
	(i) second F	R ¼ of first (or similar wording)		[1] [Total: 10]
4	all x, all x, corre	e complete with x , y and f values y and f given to nearest mm y and f in m ect arithmetic for f ues 140 – 160 mm		[1] [1] [1] [1]
		verage <i>f f</i> to 2/3 sf nit for average <i>f</i> (m, cm, mm)		[1] [1] [1]
	metre rul object ar mark on lens perp choosing lens/scre			[2]
				[Total: 10]