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0625 PHYSICS

0625/05

Paper 5 (Practical Test), 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.

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Page 2	Mark Scheme Syllabus	r
	IGCSE – October/November 2008 0625	
	h_1 value < h_0 value	hbride
• •	ect e₁ value bove in correct unit (m, cm, mm) stated at least once	[1]
	h_2 value, $< h_0$ and $> h_1$ e_2 value correct	[1] [1]
	alculation correct ficant figures, value 6–10 g/cm ³	[1] [1]
(d) e_2 greate ρ greater	er (or identical to e_2 answer)	[1] [1]
	[Total	l: 10]
Diagram: correct symbols for ammeter and voltmeter correct symbols for resistor correct circuit arrangement		[1] [1] [1]
All <i>V</i> to at lea	/, A (symbol/word) ist 1 d.p., < 1.5 V st 2 d.p., ≤ 1 A circuit 1 and 2 values	[1] [1] [1] [1]
Justi	ement: Yes (if within 10%) No (if not) ification: must match statement (e.g. close enough/too different or words to effect)	[1] [1]
	stance at connections/temperature change/ rnal resistance of source/other sensible suggestion	[1]

Page 3		Mark Scheme	Syllabus	r
		IGCSE – October/November 2008	0625	
(a)	record of <i>t</i>	$ heta_{ ho}$ (sensible value)	Syllabus 0625	nb.
	Table	. 3		100
	θ in °C, V i 6 sets of re	In cm [°] eadings with correct <i>V</i> 0, 20, 40, 60, 80, 100		11
	Temps de			[1]
	•	es labelled ble (e.g. not '3' scale) and plots occupy more than	1/ arid	[1] [1]
	all plots co	prrect (better than 1/2 sq)	72 griu	[1] [1]
	well judge	d, thin best fit line		[1]
		e comment about heat loss to the surroundings, e.		[1]
	2. sensible	e comment about adding water in a regulated, time	ed flow	[1]
			[Tota	i: 10]
(a)	y value 25	5–53 cm		[1]
• •		lculation of <i>f</i> it for <i>y</i> and <i>f</i>		[1] [1]
		,		
(c)	<i>y</i> value 20	0–40 (cm) and <i>f</i> present		[1]
(م)	oorroot ma	athod		[4]
	correct me average f	13–17 (cm)		[1] [1]
(e)	d 13–17 cr	m		[1]
(f)	Yes (if with	hin 2 cm) No (if not)		[1]
(')	([,]
(g)	same size			[1]
	inverted/b	rightness/coloured edges		[1]
			[Tota	I: 10]