MARK SCHEME for the October/November 2008 question paper

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.

• CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the October/November 2008 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



UNIVERSITY of CAMBRIDGE International Examinations

	Page 2	Mark Scheme	Syllabus	Paper		
		IGCSE – October/November 2008	0625	5		
1	(a) (i) & (ii) h_0 value h_1 value < h_0 value		[1] [1]		
	(iii) c a	e	[1] [1]			
	(b) (i) & (ii) h₂ value, <h<sub>0 and > h₁</h<sub> e₂ value correct 		[1] [1]		
		ty calculation correct gnificant figures, value 6–10 g/cm ³		[1] [1]		
	(d) <i>e</i> ₂ gre <i>ρ</i> grea	eater ater (or identical to e_2 answer)		[1] [1]		
				[Total: 10]		
2	correct sy	correct symbols for ammeter and voltmeter mbols for resistor cuit arrangement		[1] [1] [1]		
	Table: units V, A (symbol/word) All V to at least 1 d.p., < 1.5 V All I to at least 2 d.p., \leq 1 A Circuit 3 V < circuit 1 and 2 values					
	J	tatement: Yes (if within 10%) No (if not) ustification: must match statement (e.g. close enoug nat effect)	gh/too different or	[1] words to [1]		
		esistance at connections/temperature change/ nternal resistance of source/other sensible suggestion		[1]		
	[Total: 1					

	Page 3		Mark Scheme	Syllabus	Paper	
			IGCSE – October/November 2008	0625	5	
3	(a)	record of	f $ heta_{ ho}$ (sensible value)		[1]	
			∕ in cm ³ readings with correct V 0, 20, 40, 60, 80, 100 ecreasing		[1] [1] [1]	
		Graph: axes labelled axes suitable (e.g. not '3' scale) and plots occupy more than ½ grid all plots correct (better than ½ sq) well judged, thin best fit line				
	(d)	 sensible comment about heat loss to the surroundings, e.g. use of insulation/lid sensible comment about adding water in a regulated, timed flow 				
					[Total: 10]	
4	(a)	<i>y</i> value 2	25–53 cm		[1]	
	(b)		alculation of <i>f</i> nit for <i>y</i> and <i>f</i>		[1] [1]	
	(c)	<i>y</i> value 2	20–40 (cm) and <i>f</i> present		[1]	
	(d)	correct n average	nethod <i>f</i> 13–17 (cm)		[1] [1]	
	(e)	d 13–17	cm		[1]	
	(f)	Yes (if w	ithin 2 cm) No (if not)		[1]	
	(g)	same siz Inverted/	e/real /brightness/coloured edges		[1] [1]	
					[Total: 10]	