

Many, Dapa Cambridge, com MARK SCHEME for the October/November 2008 question paper

0625 PHYSICS

0625/06

Paper 6 (Alternative to 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.

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Page 2	Mark Scheme Syllabus	er
	IGCSE – October/November 2008 0625	Dan
(a) view perp	pendicular to (or straight in front of rule)/use of set square	amp
(b) (i) corre e in e	ect e_1 value 3.1 and correct e_2 value 2.4 cm	atrapape anacannun [1
(c) density 4 2/3 signif g/cm ³	.43 (ecf) icant figures	[1 [1 [1
(d) e_2 greate ρ greater	r (or identical to <i>e</i> ₂ answer) (ecf)	[1 [1
, .		[Total: 8
Diagram: correct symbols for ammeter and voltmeter correct symbols for resistor correct circuit arrangement		
	/, A (symbol/word)	[1 [1
OR No –	n 1 Yes – close enough (or words to that effect) not close enough (or words to that effect) n 2 Yes – approximately half (or words to that effect)	[1 [1
	ce at connections esistance of source/other sensible suggestion	[1
		[Total: 7
Table θ in °C, V in c	m ³	[1
,	0, 40, 60, 80, 100	[1
axes suitable all plots corre	labelled with symbol and unit e (e.g. not '3' scale) and plots occupy more than ½ grid ect (better than ½ sq) thin best fit line	[1 [1 [1 [1
	le comment about heat loss to the surroundings, e.g. use of insulation/lid	[1
	le comment about adding water in a regulated, timed flow (including si set time intervals/shorter intervals	naller [1
		[Total: 8

Page 3	Mark Scheme	Syllabus er
	IGCSE – October/November 2008	0625
(a) f = 14.9(4 correct ur		Syllabus 0625 (1) (1) (1)
(b) (i) $x_s = \xi$	$5.0(\text{cm}) \text{ and } y_{\text{s}} = 5.2(\text{cm})$	[1]
(ii) facto <i>y</i> = 3	r of ×6 1.2(cm) (ecf)	[1] [1]
(iii) 15.29), 15.3, 15 (ecf)	[1]
	ct method 3 significant figures and correct unit age <i>f</i> 15.1 (correct answer only)	[1] [1] [1]
(c) inverted i	nage	[1]
		[Total: 10]
(a) 0.7 N 6 cm ³		[1] [1]
1.4 s 4.0 N/cm ²		[1] [1]
	num current/turn down power supply/increase resistand h off between readings/carry out without delay	ce [1] [1]
(ii) varia	ole resistor/rheostat	[1]