UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2010 question paper for the guidance of teachers

0625 PHYSICS

0625/51

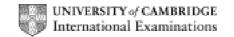
Paper 5 (Practical), maximum raw mark 40

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, which would have considered the acceptability of alternative answers.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

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CIE is publishing the mark schemes for the October/November 2010 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



	Page 2		Mark Scheme: Teachers' version	Syllabus	Paper
			IGCSE – October/November 2010	0625	51
1	(a)	d values correct c	[1] [1]		
	(b)	All plots well judg	pelled and suitable scale correct to ½ small square ged line (position) e, single (quality)		[1] [1] [1]
	(c)		t by triangle method using at least ½ candidate's n graph, how obtained	line	[1] [1]
	(d)		0.5 cm – 5 cm to 2 or 3 significant figures with correct unit		[1] [1] [Total: 10]
2	(a)	$ heta_{\!\scriptscriptstyle extsf{r}}$ sensib	ole value		[1]
		Table 2.2			[1] [1] [1] [1]
	(e)	at least 3	300s and given to nearest 10s or in mins		[1]
	(f)	Statement matches readings and justified by reference to readings Comparison given of changes in temperature and time with numbers		[1]	
	(g)	constant same tim same the same ma	arting temperature t room temperature/avoid draughts/same place ne intervals ermometer (wtte) ass/amount/volume of water		
		same be lid alway			[2]
		a.may	, -		
					[Total: 10]

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	rage 3	Mark Scheme, reachers version	Syllabus	Paper	
		IGCSE – October/November 2010	0625	51	
3	(a) Ammete Resistor Correct	symbol		[1] [1] [1]	
	(b) <i>I</i> ₀ 0.1–1	.0 (A)		[1]	
				[1] [1] [1] [1]	
		calculation of $0.5I_0$ shown (ecf) e matches results and given to nearest ohm		[1] [1] [Total: 10]	
4	Trace: Normal at 90° Correct initial angle of incidence 18°–22° Point E labeled Initial pin separations ≥ 5 cm All lines neat and thin				
	(i) θ correct	t to ± 2°		[1]	
	(j) Correct	calculation of difference		[1]	
	` '	ues present and angles in ° once, no contradiction)		[1]	
	(either e	statement matching results exact or within limits of experimental accuracy, or wto I referring to specified results	te)	[1] [1]	
				[Total: 10]	

Mark Scheme: Teachers' version

Syllabus

Paper

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Please note that due to a labelling error on the paper, the final five marks were not considered when deciding the grade thresholds.