www.xtrapapers.com

## **UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS**

**International General Certificate of Secondary Education** 

## MARK SCHEME for the May/June 2011 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.

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

Cambridge is publishing the mark schemes for the May/June 2011 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

www.xtrapapers.com

[Total: 10]

Pag		ne 2	)	Mark Scheme: Teachers' version	Syllabus	D. Ir
	Page 2		•	IGCSE – May/June 2011	0625	80
1	(a)	Len	Papa Cambridge			
	(e)	(i)		les correctly placed on correct outline les neat and labelled		[1]
		(ii)	Cros	sses small, neat, positions sensible (one each side)		[1]
		(iii)		es drawn accurately (± 1mm) es cross at same point, within 5mm		[1] [1]
	(f)	(f) a correct to ± 1mm Well-judged position Line correctly drawn				[1] [1] [1]
	(g) Viewing line directly in front of card/perpendicular to card Any clear explanation of how to avoid parallax/shine a light from the front/wait until ca stops swinging/minimise distance between card and plumbline. [To					
2	(a),	t in Cor		in °C times 0, 30, 60, 90, 120, 150, 180 atures falling		[1] [1] [1]
	(c) T <sub>1</sub> and T <sub>2</sub> correct					[1]
	(d)		[1] [1] [1] [1]			
	(e)	(i)	Fast	ter rate of cooling in first 30s (owtte) – allow ecf from	(c) (i) (ii)	[1]
		(ii)	Dec	reasing slope of line (owtte)		[1]

www.xtrapapers.com

[Total: 10]

Syllabus

		IGCSE – May/June 2011	0625	Nago
3	(a), (b), (c) V, A, Ω Both V t Both I to R values		Macambridge [1]	
	R values	s consistent 2 or 3 significant figures		[1]
	(d) Vand I R <sub>⊤</sub> corre	present ct and different from R <sub>S</sub>		[1] [1]
		statement – expect no g justification (using idea of experimental accuracy)		[1] [1]
	(f) Filamen	ts glow		[1] [Total: 10]
4		osition		[1] [1] [1] [1]
	Table: <i>i</i> values con <i>r</i> values con $i = r$ to $4^{\circ}$			[1] [1] [1]
	Thickne: Thickne:	: ss of lines ss of mirror ss of protractor (owtte) ss of pins		[2]

Mark Scheme: Teachers' version

Page 3