UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

## www.papacambridge.com MARK SCHEME for the May/June 2011 guestion paper

## for the guidance of teachers

## 0625 PHYSICS

0625/63

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, 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.

Pag	je 2		yllabus
		IGCSE – May/June 2011	0625 Pac
(a)	100, 200	, 300, 400, 500	Phyloric
	Scales s All plots Continuc	elled (label and unit) uitable correct to nearest ½ small square ous, straight, well-judged best fit line , neat plots	yllabus 0625 (1) [1] [1] [1] [1] [1] [1]
		: from graph scale to ½ small square – <u>must see unit of N</u> w obtained	<u> </u> [1] [1]
(d)	Weight/n	nass/force of rule owtte	[1]
			[Total: 9]
(a)	<u>23</u> (°C)		[1]
		, words or symbols 0, 120, 150, 180	[1] [1]
• •		ted (owtte) OR no significant difference by reference to temperature <u>differences</u> and <u>time</u>	[1] [1]
	(constan tube size thickness volume/a thickness	from: nperature/ <u>starting</u> temperature/temperature of <u>hot</u> water t) room temperature/ correct <u>named</u> reference to environ s/same test-tube s of glass amount/level of water s of cotton wool immersion) of thermometer	mental condition
	(rate of)		[2]
(e)	Any two	suitable insulators (that can be wrapped around tube)	[2]

Page 3	Mark Scheme: Teachers' version	Syllabus
	IGCSE – May/June 2011	0625
	6, 8.50 <u>nt</u> 2 or 3 significant figures , Ω in symbols or words	Syllabus 0625 Rabacannbrigg [1]
<b>(b)</b> Yes Within lir	nits of experimental accuracy	[1] [1]
	ff between readings w current (owtte)	[1]
	circuit symbol n correct	[1] [1]
		[Total: 8]
(a) <i>i</i> = 30° (±	1º) - no penalty for missing or incorrect unit	[1]
<i>b</i> = 36m Lines HF <i>n</i> correct	0 13mm/1.2 to 1.3cm m/3.6cm F and P <sub>4</sub> P <sub>3</sub> H drawn <u>neatly</u> and <u>correctly</u> ly calculated significant figures, no unit	[1] [1] [1] [1] [1]
(c) At least t Greater a	5 <u>cm</u> accuracy owtte	[1] [1]
OR pins OR thick	not vertical/not straight too close ness of lines/size of holes : thickness of ray	[1] [1]
		[Total: 10]
L/I/length	ght/load/Force า	[1]
	ion/x/Δ <i>l/E</i> m, m <u>only</u>	[1]
	ameter/thickness/cross-sectional area/cross-section	
Samo lo		
Same lei (Room) t	emperature	[2]