## UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

## MARK SCHEME for the May/June 2006 question paper

## **0625 PHYSICS**

0625/05

Paper 5, maximum raw mark 40

These mark schemes are published as an aid to teachers and students, to indicate the requirements of the examination. They show the basis on which Examiners were initially instructed to award marks. They do not indicate the details of the discussions that took place at an Examiners' meeting before marking began. Any substantial changes to the mark scheme that arose from these discussions will be recorded in the published *Report on the Examination*.

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*.

The minimum marks in these components needed for various grades were previously published with these mark schemes, but are now instead included in the Report on the Examination for this session.

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

CIE is publishing the mark schemes for the May/June 2006 question papers for most IGCSE and GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



	Page 1	Mark Scheme	Syllabus	Paper	
		IGCSE – May/June 2006	0625	05	
(a)		ensible value n value correct			
(b)		sensible value prrect (in mm)			
(c)		nmm, sensible values (93 – 97, 53 – 57) on of <i>V</i> , unit mm <sup>3</sup>			
(d)	<i>d</i> value co unit g/mm 2/3 sf				
(e)	estimate	of <i>V</i> <sub>a</sub> 10 000 – 20 000 mm <sup>3</sup> (2/3 sf only)		[ΤΟΤΑ	L
(a)	All correc Power so	t symbols urce, lamp and ammeter in series r in parallel with lamp			
(b)		2 dp at least 1 dp			
	(ii) Corre	ect calculation of $R_1$			
(c)	(i) I <sub>2</sub> and	V <sub>2</sub> present			
		R₁ nits correct R to 2/3 sf			
				[ΤΟΤΑ	L
(a)	diagram o	or description showing ends at same height above bench			
)-(f)		lete sets of <i>F</i> and <i>d</i> readings s: 1.11, 1.18, 1.25, 1.33, 1.43 t 2/3 sf			
(g)		table rect to ½ sq ed, thin line			
(h)	triangle m correct G	nethod using at least ½ line value			
(i)	Correct V	V in range 80 – 150 g, with correct unit and 2/3 sf			
				[ΤΟΤΑ	L

Pag	je 2 Mark Scheme	Syllabus	Paper
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ace:			
ı <b>)-(i)</b> , (	( <b>k)</b> and <b>(I)</b> Neat and complete		
<b>)</b>	Normal at 90° (by eye)		
c)	$EFN = 30^{\circ} \pm 2^{\circ}$		
f)	$P_3 P_4$ distance $\geq 5 \text{ cm}$		
k)	FI = b to 2 mm		
l)	IJ correctly drawn at 90°		
n)	Candidate's a distance correct to 2 mm		
m)(j)	Candidate's b & c distances correct to 2 mm		
ר)	<i>n</i> value correct 2/3 sf and no unit		
			[ТО

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