UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the November 2004 question paper

0625 PHYSICS

0625/06

Paper 6 (Alternative to Practical), maximum mark 40

Www.strapapers.com

This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which Examiners were initially instructed to award marks. It does 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*.

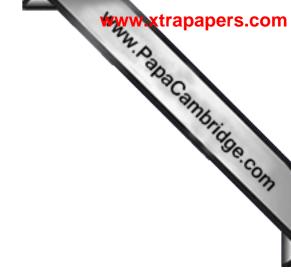
• CIE will not enter into discussion or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the November 2004 question papers for most IGCSE and GCE Advanced Level syllabuses.

Grade threshold examination.	ds taken for S	yllabus 0625 (Physics) in the	e November 20	DO4	apapers.com
	maximum	mir	nimum mark re	equired for gra	de:	
	mark available	А	С	E	F	1
Component 6	40	34	26	20	15	

The threshold (minimum mark) for B is set halfway between those for Grades A and C. The threshold (minimum mark) for D is set halfway between those for Grades C and E. The threshold (minimum mark) for G is set as many marks below the F threshold as the E threshold is above it.

Grade A* does not exist at the level of an individual component.



November 2004

INTERNATIONAL GCSE

MARK SCHEME

MAXIMUM MARK: 40

SYLLABUS/COMPONENT: 0625/06

PHYSICS Alternative to Practical

Pag	ge 1	Mark Scheme	Syllabus 📃 🤊	S.
		IGCSE – November 2004	0625	than 1
l (a)	(i) 84			Ann. Panacambridge 1
. ()	(ii) 50			Tag
		n units correct °C and cm ³ (or ml)		1
(b)	(i) 75			1
()	(ii) 15	(ecf)		1
	(iii) sou	rce of error e.g. thickness of string/extension dings/identified parallax	of string/diagona	al 1
	(iv) imp	rovement e.g. thinner string/inextensible strir gaps between windings/repeats and average		ngs/ 1
(c)	(i) 2.1	(cm)		1
		5 or 32 cm ² (2/3 sf and unit required)		1
(d)	time			1
	anothe	temperature		1
			т	OTAL 11
2 (a)	(i) tria	ngle seen		1
	larg	e triangle (> ½ line)		1
	cor	rect readings to ½ sq		1
	G =	0.37 – 0.39		1
	(ii) p =	= 2.63 (ecf)		1
	2/3	sf and g/cm ³		1
(b)	increas	ed accuracy		1
				TOTAL 6
3 (a)	(i) 2.1	5 – 2.25		1
	(ii) 1.1	(+ both with correct unit, cm/mm) ecf		1
(b)	(i) all co	prrect 1 values, 91.1, 81.1, 71.1, etc		1
	(ii) all c	orrect T values, 1.93, 1.80, 1.67, 1.57, 1.41,	1.28	1
	3/4	sf for T		1

age 2	Mark Scheme	Syllabus	\$.
	IGCSE – November 2004	0625	Par 1
c) Graph:			WWW xtra
	table T start at 1.0s, T: 10sq : 0.2s		
	1: 10sq : 20cm; both labelled		
	and correct way round		1
plots corre	ect to ½ sq (-1 each error)		2
line judge	ment		1
line thickr	less		1
d) 58 cm			1
			TOTAL 11
a) 4 pins at l	east one separation, separation \geq 5 cm		1
normal at	90° (by eye)		1
r = 19 – 2	1		1
i = 31 – 3	3		1
unit given	for both		1
			TOTAL 5
a) (i) all R c	orrect, 0.464, 0.976, 1.45, 1.88, 2.25		1
2/3 sf	for R		1
(ii) V, cm	, Ω		1
o) (i) 18, 4.	5 (ignore unit)		1
(ii) answe	r 4		1
(iii) 72			1
c) micromete	er		1
			TOTAL 7