

NOVEMBER 2002

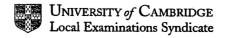
INTERNATIONAL GCSE

MARKSCHEME

MAXIMUM MARK: 60

SYLLABUS/COMPONENT: 0625/5

PHYSICS (PRACTICAL)



Page 1	Mark Scheme	Syllabus	Paper
•	IGCSE Examinations – November 2002	0625	5

1.	x and y both < 40 cm either to nrst mm (x + y) 39 - 41 cm correct unit, either/both	1 1 1 1
	m correct unit	1 1
	Diagram good, neat/clear description (OR adequate	2 1)
	x and y both sensible (< 40 cm) (x + y) 39 - 41 cm	1 1
	m correct	1
	Average m method unit 2/3 sf within 5 g of each other	1 . 1 . 1 . 1 . 1
		TOTAL 15
2.	$0-300$ s temps present and decreasing $330-450$ temps present and higher than $t=300$ s evidence of better than 1° C all to better than 1° C	1 1 1 1
	heats up faster than cools example drop given with time example rise given with time	1 1 1
	Graph Temp scale at least ½ Labelled Plot at t = 0 s present 10 more plots plots – check 2 most off line (-1 each error)	1 1 1 1 2
	(do not award if < 6 plots) line: shape thickness	1 1
		TOTAL 15

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3.	V, I ₁ and I ₂ sensible unit for V and I (at least once) at leasts1 or 2 dp (both)	
	ratio correct 2/3 sf no unit	
	R ₁ and R ₂ correct Unit either/both	1 1
	Ratio correct 2/3 sf and no unit	1 1
	the same corresponds with results	1 1
	Circuit Symbols cell & resistor Resistor, variable, voltmeter Resistor fixed (-1 each error) Voltmeter and variable resistor in corre	2 ct positions in correct circuit TOTAL 15
4.	u and v present unit for either/both u + v = 79 - 81 cm Evidence of better than 0.5 cm (in u,v,x or y) H value	1 1 1 1
	x and y present unit for either/both (same as u and v) h value	1 1 1
	correct arith for ratios u/v and y/x both to 2/3 sf no units u/v = y/x within 10% correct H/h, 2/3 sf, no unit	1 1 1 1

precaution stated

explained

TOTAL 15

1

1