

June 2003

## INTERNATIONAL GCSE

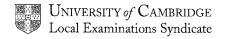
## MARK SCHEME

**MAXIMUM MARK: 60** 

SYLLABUS/COMPONENT: 0625/05

**PHYSICS** 

Practical



Page 1	Mark Scheme	Syllabus	Paper
	IGCSE EXAMINATIONS – JUNE 2003	0625	5

1.	two room temp readings (sensible) table completed, temps rising evidence of temp to better than 1 deg all temps to better than 1 deg time unit temp unit Graph temp axis labelled scale suitable plotting (check one on A) plotting (check one on B) line judgement shape thickness	1 1 1 1 1 1 1 1
	Statement Justification (adequate) OR good	1 1 2 TOTAL 15
2.	d sensible unit diagram blocks parallel and in correct position rule position shown	1 1 1
	r correct h sensible with unit V calculation correct c stated (sensible) at least 5 turns used	1 1 1 1
	calculation of V average calculated 2/3 sf unit sensible G estimate v correct, 2/3 sf, unit	1 1 1 1 1
		TOTAL 15
3.	three correct units both I to at least 1 dp both V to at least 1 dp R value (check first) correct both R to 2/3 sf	3 1 1 1
	correct ratio (as decimal) no unit 2/3 sf ratio 1.8 – 2.2	1 1 1 1

Page 2	Mark Scheme	Syllabus	Paper
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	Diagram voltmeter in parallel across the motors ammeter correct variable resistor connected to vary current through one motor correct symbols for all three	1 1 1 1 <b>TOTAL 15</b>
4.	angle 30 ( <u>+</u> 1) angle 40 ( <u>+</u> 1) pins F and G at least 5cm apart	1 1 1
	GF correct and neat new GF line correct and neat	1 1
	x line correct position record of x correct unit	1 1 1
	y line correct position record of y correct unit (same as x, stated or not)	1 1 1
	correct ratio x/y no unit 2/3 sf value	1 1 1 1

**TOTAL 15**