UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

CANDIDATE NAME									
CENTRE NUMBER						CANDIDATE NUMBER				

PHYSICS **0625/05**

Paper 5 Practical Test **May/June 2007**

ANSWER BOOKLET

1 hour 15 minutes

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name on all the work you hand in.
Write in dark blue or black pen.
You may use a soft pencil for any diagrams, graphs or rough working.
Do not use staples, paper clips, highlighters, glue or correction fluid.
All of your answers should be written in this Answer Booklet: scrap paper must **not** be used.
DO **NOT** WRITE IN ANY BARCODES

Answer **all** questions.
Graph paper is provided in this Answer Booklet. Additional sheets of graph paper should be used only if it is necessary to do so.

At the end of the examination, fasten any additional answer paper used securely to this Answer Booklet.
The number of marks is given in brackets [ ] at the end of each question or part question.

For Examiner's Use	
1	
2	
3	
4	
Total	

This document consists of **5** printed pages and **3** blank pages.

1 **(b)** Record of θ_1 .....

(d) Record of θ_2 .....

(f) Record of θ_3 ..... [5]

(g) Record of θ_2 .....

(i) Record of θ_3 ..... [2]

(j) **(i)** A practical explanation for this difference

.....

..... [1]

(ii) Two practical improvements

1. .....

.....

2. .....

..... [2]

[Total: 10]

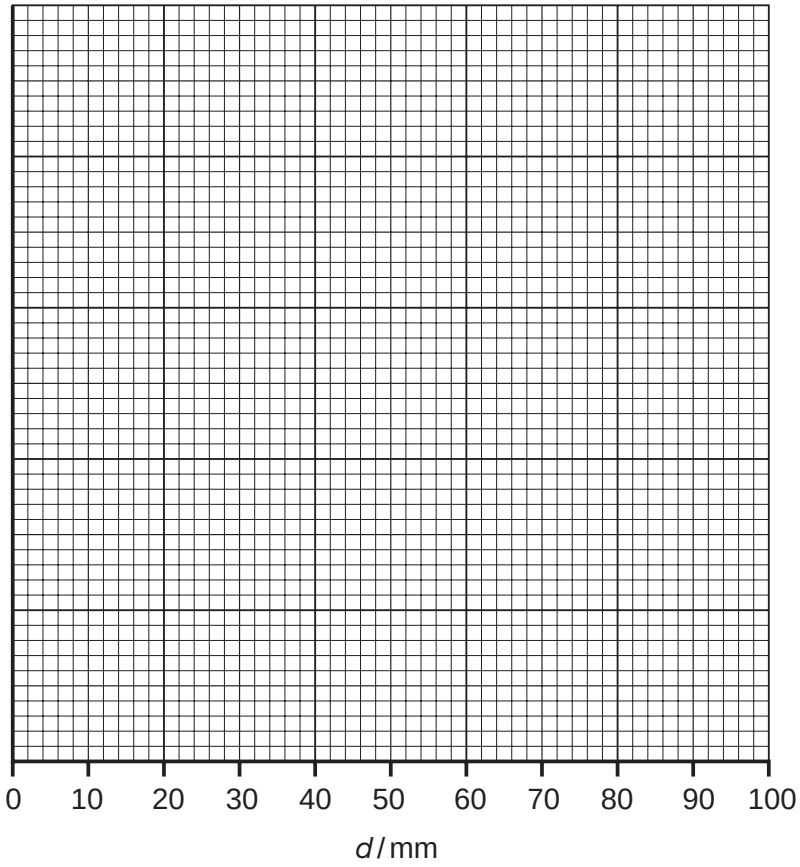
2 **(a)** Record of h_0 .....

(c) – (h)

Hole	d / mm	h / mm	b / mm
1			
2			
3			
4			
5			
6			

[3]

(i)



[4]

(j) Statement .....

Reason .....

..... [1]

(k) How you checked that the rule was vertical

.....

..... [1]

[Total: 10]

3 (b) – (g)

wire	V /	I /	R /
AB			
CD			

[8]

(h)

- R is proportional to d ☐
- R is proportional to $1/d$ ☐
- R is proportional to d^2 ☐
- R is proportional to $1/d^2$ ☐

[1]

(i) Explanation

.....

..... [1]

[Total: 10]

4 **(a)** – **(g)**

d/m	x/m	y/m	f/m
0.800			
0.900			

[5]

(h) Calculation of average value of the focal length f

f = ... [3]

(i) Two steps that you took to obtain an accurate result

1. .....

.....

2. .....

..... [2]

[Total: 10]

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