



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

CANDIDATE
NAME

CENTRE
NUMBER

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CANDIDATE
NUMBER

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PHYSICS

0625/05

Paper 5 Practical Test

October/November 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 **6** printed pages and **2** blank pages.



1 (a) Record of θ_0

(c) – (e)

$t/$	$\theta/$
0	
30	
60	
90	
120	
150	
180	
210	
240	
270	
300	

[3]

(f) (i) Calculation of T_1

$$T_1 = \dots\dots\dots$$

(ii) Calculation of T_2

$$T_2 = \dots\dots\dots$$

[2]

(g) (i) Statement and explanation

Statement

Explanation

..... [1]

(ii) Three variables

1.

2.

3. [3]

(h) One addition to the apparatus

..... [1]

[Total: 10]

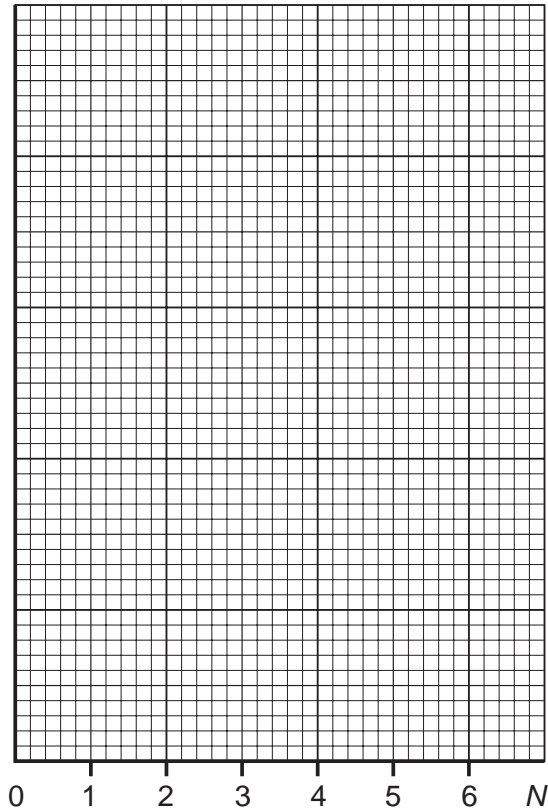
2 (a) Record of h_0

(b) – (d)

Number N of paper clips	h /mm	d /mm
1		
2		
3		
4		
5		
6		

[4]

(e)



[4]

(f) Record of h_n

(g) Determination of the number of paper clips

Number of paper clips =

[2]

[Total: 10]

3 (a) – (c)

Record of I

Record of I_1

Record of I_2

Record of I_3 [4]

(d) Statement

.....

.....

Reason

.....

..... [1]

(e) How you would vary I

.....

..... [1]

(f) Record of V [1]

(g) Calculation of resistance R

$R =$ [2]

(h) (i) Record of V_a

(ii) Record of V_b

[1]

[Total: 10]

- 4 (f) – (h) Record of x
- Record of h
- Calculation of n

$n =$

[5]

- (i) – (j) Record of x
- Record of h
- Calculation of n

$n =$

[2]

- (k) Calculation of average value for n

Average value for $n =$

[2]

- (l) Explanation of how you checked that the pin was horizontal.

.....

..... [1]

[Total: 10]

8
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