

Centre Number

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Candidate Name \_\_\_\_\_

**International General Certificate of Secondary Education  
CAMBRIDGE INTERNATIONAL EXAMINATIONS**

**PHYSICS**

**PAPER 5 Practical Test  
ANSWER BOOKLET**

**0625/5**

**OCTOBER/NOVEMBER SESSION 2002**

1 hour 15 minutes

**TIME** 1 hour 15 minutes

**INSTRUCTIONS TO CANDIDATES**

Write your name, Centre number and candidate number in the spaces at the top of this page.

Answer **all** questions.

Write your answers in the spaces provided in this answer booklet.

**FOR EXAMINER'S USE**

<b>1</b>	
<b>2</b>	
<b>3</b>	
<b>4</b>	
<b>TOTAL</b>	

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**This answer booklet consists of 7 printed pages and 1 blank page.**





1

(c)  $x = \dots\dots\dots$

$y = \dots\dots\dots$

[4]

(d) Calculation of  $m$

$m = \dots\dots\dots$

[2]

(e) How you judged that the centre of the 50 g mass was directly above the 10.0 cm mark.

.....  
.....  
.....[2]

(f)  $x = \dots\dots\dots$

$y = \dots\dots\dots$

(g) Calculation of  $m$

$m = \dots\dots\dots$

[3]

(h) Calculation of the average of the two values of  $m$

average  $m$  value = .....

[4]

2 (a)–(e)

time $t/s$	temperature $\theta/^\circ\text{C}$
0	
30	
60	
90	
120	
150	
180	
210	
240	
270	
300	
330	
360	
390	
420	
450	

[4]

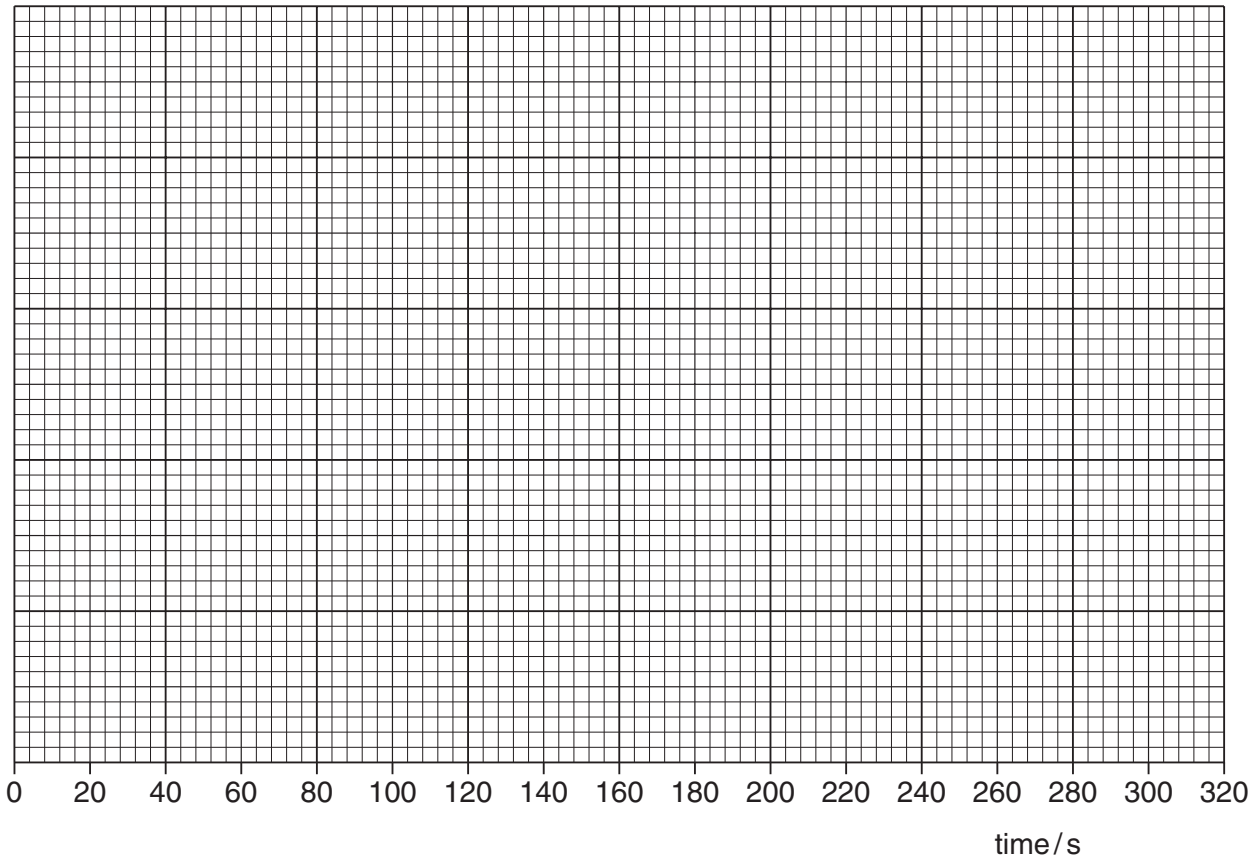
(g) Conclusion

.....  
.....[1]

Justification

.....  
.....  
.....  
.....[2]

(f)



[8]

3 (a)  $V = \dots\dots\dots$

$I_1 = \dots\dots\dots$

(b)  $I_2 = \dots\dots\dots$

[3]

(c) Calculation of  $I_1/I_2$

$I_1/I_2 = \dots\dots\dots$

[3]

(d) Calculation of  $R_1$

$R_1 = \dots\dots\dots$

Calculation of  $R_2$

$R_2 = \dots\dots\dots$

[2]

(e) Calculation of  $R_2/R_1$

$R_2/R_1 = \dots\dots\dots$

[2]

(f) Within the limits of experimental error, the values of  $I_1/I_2$  and  $R_2/R_1$  are

$\dots\dots\dots$  [2]

(g) Circuit diagram

[3]

4

(d) Record of  $u$  .....

(e) Record of  $v$  .....

(f) Record of  $H$  .....

[5]

(h) Record of  $x$  .....

(i) Record of  $y$  .....

(j) Record of  $h$  .....

[3]

(k) Calculation of  $u/v$

$u/v =$  .....

Calculation of  $y/x$

$y/x =$  .....

Calculation of  $H/h$

$H/h =$  .....

[5]

(l) Precaution

.....

.....

.....[2]