Candidate Name _____ Centre Number | | | Candidate Number | | | | |

International General Certificate of Secondary Education
CAMBRIDGE INTERNATIONAL EXAMINATIONS

PHYSICS 0625/5

PAPER 5 Practical Test
ANSWER BOOKLET

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	
1	
2	
3	
4	
TOTAL	

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

UNIVERSITY of CAMBRIDGE
Local Examinations Syndicate

[Turn over

BLANK PAGE

1

(c) x = ...

y = ... [4]

(d) Calculation of m

m = ... [2]

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

.....

.....

.....[2]

(f) x = ...

y = ...

(g) Calculation of m

m = ... [3]

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

average m value = ... [4]

[Turn over

2 (a)–(e)

time t/s	temperature θ/°C
0	
30	
60	
90	
120	
150	
180	
210	
240	
270	
300	
330	
360	
390	
420	
450	

[4]

(g) Conclusion

.....

.....[1]

Justification

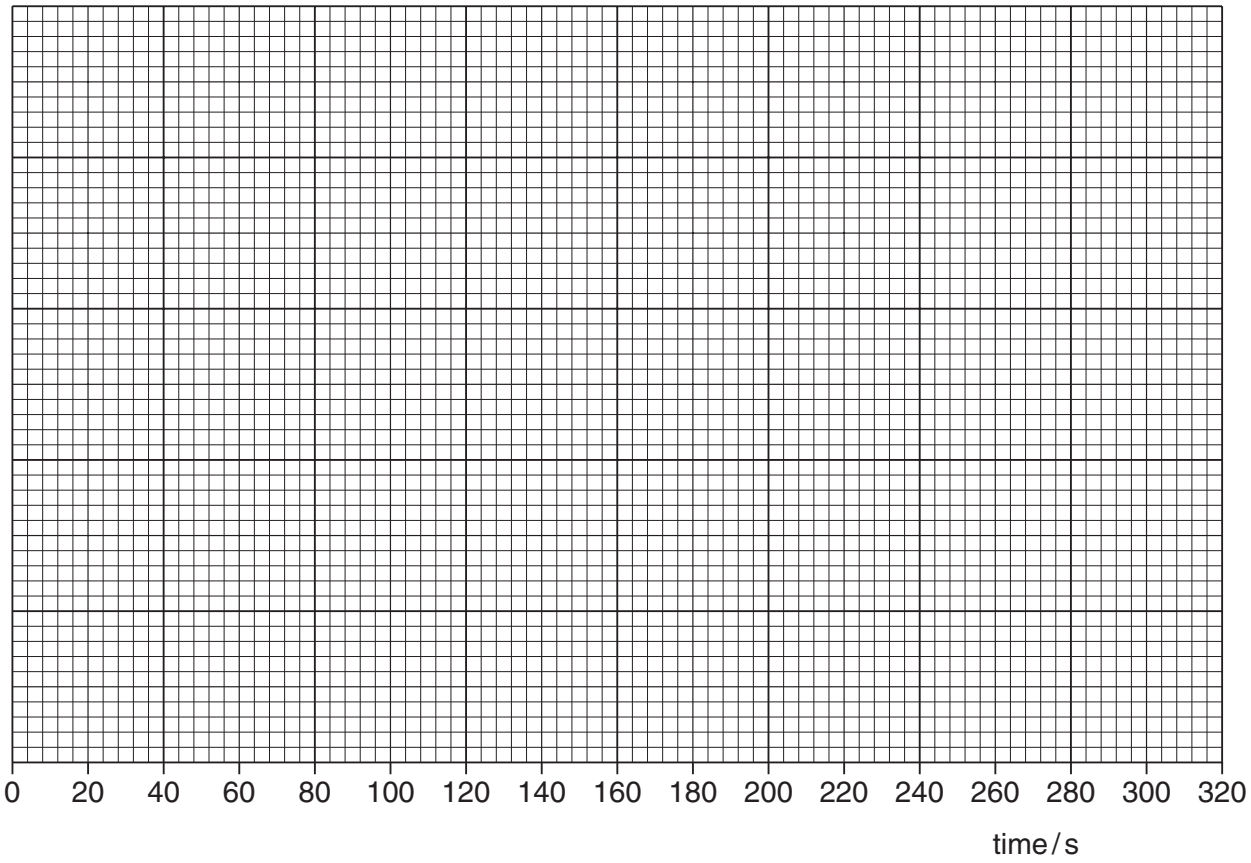
.....

.....

.....

.....[2]

(f)


0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
time / s

[8]

3 **(a)** V = ...

I_1 = ...

(b) I_2 = ... [3]

(c) Calculation of I_1/I_2

I_1/I_2 = ... [3]

(d) Calculation of R_1

R_1 = ...

Calculation of R_2

R_2 = ... [2]

(e) Calculation of R_2/R_1

R_2/R_1 = ... [2]

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

.....[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]