Candidate Name _____   Centre Number [   ]   Candidate [   ]

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	
1	
2	
3	
4	
TOTAL	

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

2

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]

For
Examiner's
Use

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)

time / s

[8]

For
Examiner's
Use

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

I_1 = ...

(b) I_2 = ... [3]
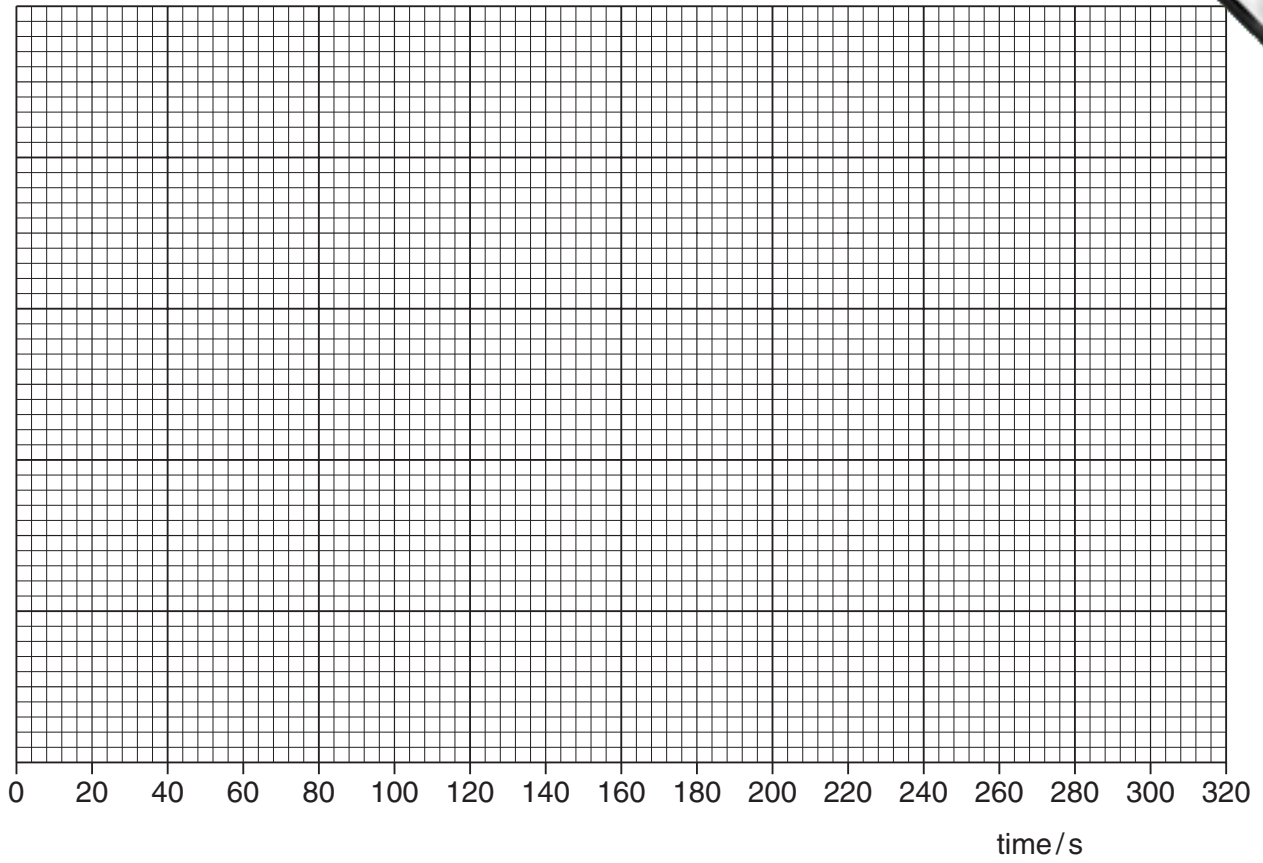
(c) Calculation of I_1/I_2

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]

For
Examiner's
Use
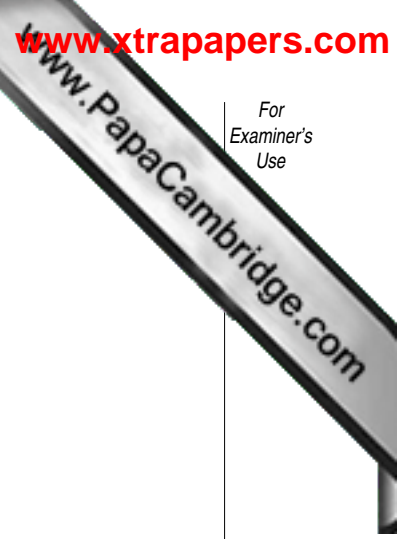
4

(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]