

Surname	Centre Number	Candidate Number
First name(s)		2



GCE A LEVEL

1420U50-1A



TUESDAY, 3 MAY 2022

PHYSICS – A2 unit 5 Practical Examination

Experimental Task TEST 1

1 hour 30 minutes

For Teacher's use only	
Award a mark of 0 or 1 for each of the following	
Description of graph – (a)(i)	
Risk assessment correct – (a)(ii)	
For Examiner's use only	
Mark awarded	
Total	

ADDITIONAL MATERIALS

In addition to this examination paper you will require a calculator and a **Data Booklet**.

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen. Pencil may be used to draw tables and graphs.
Write your name, centre number and candidate number in the spaces at the top of this page.
Write your answers in the spaces provided in this booklet.

INFORMATION FOR CANDIDATES

The total number of marks available for this task is 25.
Your teacher will directly assess your practical skills in parts **(a)(i) and (ii)**.
The number of marks is given in brackets at the end of each question or part question.
You are reminded of the necessity for orderly presentation in your answers.

- (c) (i) Plot your data on a suitable graph to determine values for k and n . **Error bars are not required on the graph.** [4]

Examiner
only



- (ii) Use your graph to determine a value for n . **You are not required to calculate any uncertainties.** [3]

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- (iii) Determine a value for k . **You are not required to calculate any uncertainties.** [3]

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- (d) Describe **two** ways in which you could improve the experiment. [2]

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END OF PAPER

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