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General Certificate of Education  
Advanced Level Examination  
January 2013

**Physics A**

**AQA**

**PHYA4/2**

**Unit 4 Fields and Further Mechanics  
Section B**

**Wednesday 16 January 2013 1.30 pm to 3.15 pm**

For this paper you must have:

- a calculator
- a ruler
- a Data and Formulae Booklet (enclosed).

**Time allowed**

- The total time for both sections of this paper is 1 hour 45 minutes.  
You are advised to spend approximately one hour on this section.

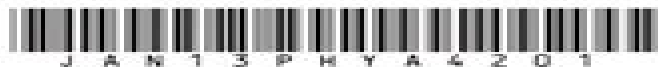
**Instructions**

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the spaces provided. Answers written in margins or on blank pages will not be marked.
- Do all rough work in this book. Cross through any work you do not want to be marked
- Show all your working.

**Information**

- The marks for questions are shown in brackets.
- The maximum mark for this section is 50.
- You are expected to use a calculator where appropriate.
- A Data and Formulae Booklet is provided as a loose insert.
- You will be marked on your ability to:
  - use good English
  - organise information clearly
  - use specialist vocabulary where appropriate.

For Examiner's Use	
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Question	Mark
1	
2	
3	
4	
5	
TOTAL	



J A N 1 3 P H Y A 4 2 0 1

WMP/Jan13/PHYA4/2

**PHYA4/2**

# Phya4 2014 Unofficial Mark Scheme

**Ian Pickup**



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