

GENERAL CERTIFICATE OF SECONDARY EDUCATION

TWENTY-FIRST CENTURY SCIENCE

PHYSICS A

LINE A 183: Module PP (Higher Tier)

**A183/02**

Candidates answer on the question paper.  
A calculator may be used for this paper.

**OCR Supplied Materials:**  
None

**Other Materials Required:**

- Pencil
- Ruler (centimetre)

**Duration:** 1 hour

Candidate  
Surname

Candidate  
Surname

Centre Number

Candidate Number

**INSTRUCTIONS TO CANDIDATES**

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before writing your answer.
- Answer **all** the questions.
- Write your answer to each question in the space provided. However, additional paper may be used if necessary.

**INFORMATION FOR CANDIDATES**

- Your quality of written communication is assessed in questions marked with a pencil (C1\*).
- A list of useful relationships is printed on pages 2 and 3.
- The number of marks for each question is given in brackets ( ) at the end of the question or part question.
- The total number of marks for this paper is **60**.
- This document consists of **20** pages. Any extra pages are indicated.

Past Examiner's Use		
	Mark	Marks
1	10	
2	10	
3	3	
4	5	
5	5	
6	5	
7	14	
<b>TOTAL</b>	<b>60</b>	

# Ocr 21st Century Science Physics Past Papers 2013

**Richard Parsons**



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