

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 starting 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 (L^W).
- 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	8	
5	8	
6	8	
7	10	
TOTAL	60	

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