



# ADVANCED GCE MATHEMATICS (MEI)

Mechanics 2

## 4762

### PRINTED ANSWER BOOK

Candidates answer on this printed answer book.

#### OCR supplied materials:

- Question paper 4762 (inserted)
- MEI Examination Formulae and Tables (MF2)

#### Other materials required:

- Scientific or graphical calculator

**Thursday 16 June 2011**  
**Afternoon**

**Duration:** 1 hour 30 minutes



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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### INSTRUCTIONS TO CANDIDATES

These instructions are the same on the printed answer book and the question paper.

- The question paper will be found in the centre of the printed answer book.
- Write your name, centre number and candidate number in the spaces provided on the printed answer book. Please write clearly and in capital letters.
- **Write your answer to each question in the space provided in the printed answer book.** Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Answer **all** the questions.
- Do **not** write in the bar codes.
- You are permitted to use a scientific or graphical calculator in this paper.
- Final answers should be given to a degree of accuracy appropriate to the context.
- The acceleration due to gravity is denoted by  $g \text{ m s}^{-2}$ . Unless otherwise instructed, when a numerical value is needed, use  $g = 9.8$ .

### INFORMATION FOR CANDIDATES

This information is the same on the printed answer book and the question paper.

- The number of marks is given in brackets [ ] at the end of each question or part question on the question paper.
- You are advised that an answer may receive **no marks** unless you show sufficient detail of the working to indicate that a correct method is being used.
- The total number of marks for this paper is **72**.
- The printed answer book consists of **12** pages. The question paper consists of **8** pages. Any blank pages are indicated.

<b>1(a)(i)</b>	
	<b>1(a)(ii)</b>

[illegible]

**1 (b)**

<b>2 (i)</b>	
<b>2 (ii)</b>	

[illegible]

<b>2 (iv)</b>	
<b>3 (i)</b>	

<b>3 (ii)</b>	
	<b>3 (iii)</b>



<b>3 (iii)</b>	<b>(continued)</b>
<b>3 (iv)</b>	

[illegible]

**4(b)(i)**

<b>4(b)(ii)</b>	