



AS Level Further Mathematics B (MEI) Y411 Mechanics a

Printed Answer Booklet

Date - Morning/Afternoon

Time allowed: 1 hour 15 minutes

OCR supplied materials:

- Printed Answer Booklet
- Formulae Further Mathematics B (MEI)

You must have:

- · Printed Answer Booklet
- Formulae Further Mathematics B (MEI)
- Scientific or graphical calculator



First name	
Last name	
Centre number	Candidate number

INSTRUCTIONS

- Use black ink. HB pencil may be used for graphs and diagrams only.
- Complete the boxes provided on the Printed Answer Booklet with your name, centre number and candidate number.
- Answer all the questions.
- Write your answer to each question in the space provided in the Printed Answer Booklet.
- Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- · 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

- 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 used. You should communicate your method with
 correct reasoning.
- The Printed Answer Booklet consists of 12 pages. The Question Paper consists of 8 pages.

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2	

3 (i)	
3 (ii)	
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3 (iii) (A)	
3 (iii)	
3 (iii) (B)	
4 (i)	

4 (ii)	
4 (iii)	

5 (i)	
5 (ii)	

5 (iii)	

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6 (i)	
6 (ii)	
J (11)	
6 (iii)	
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6 (iii)	(continued)
6 (iv) (A)	
(A)	
6 (iv) (B)	
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7 (i)	
- 400	
7 (ii)	

7 (iii)	
7 (iv)	
()	
7 (v)	

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