

Thursday 08 October 2020 – Afternoon

AS Level Further Mathematics B (MEI)

Y411/01 Mechanics a

Printed Answer Booklet

Time allowed: 1 hour 15 minutes



You	must	have:
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- Question Paper Y411/01 (inside this document)
- the Formulae Booklet for Further Mathematics B
- (MEI)
- a scientific or graphical calculator



Please write clearly in black ink. Do not write in the barcodes.										
Centre number						Candidate number				
First name(s)										
Last name										

INSTRUCTIONS

- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided in the **Printed Answer Booklet**. If you need extra space use the lined pages at the end of the Printed Answer Booklet. The question numbers must be clearly shown.
- Answer all the questions.
- Where appropriate, your answer should be supported with working. Marks might be given for using a correct method, even if your answer is wrong.
- Give your final answers to a degree of accuracy that is appropriate to the context.
- The acceleration due to gravity is denoted by $gm s^{-2}$. When a numerical value is needed use g = 9.8 unless a different value is specified in the question.

INFORMATION

• This document has **12** pages.

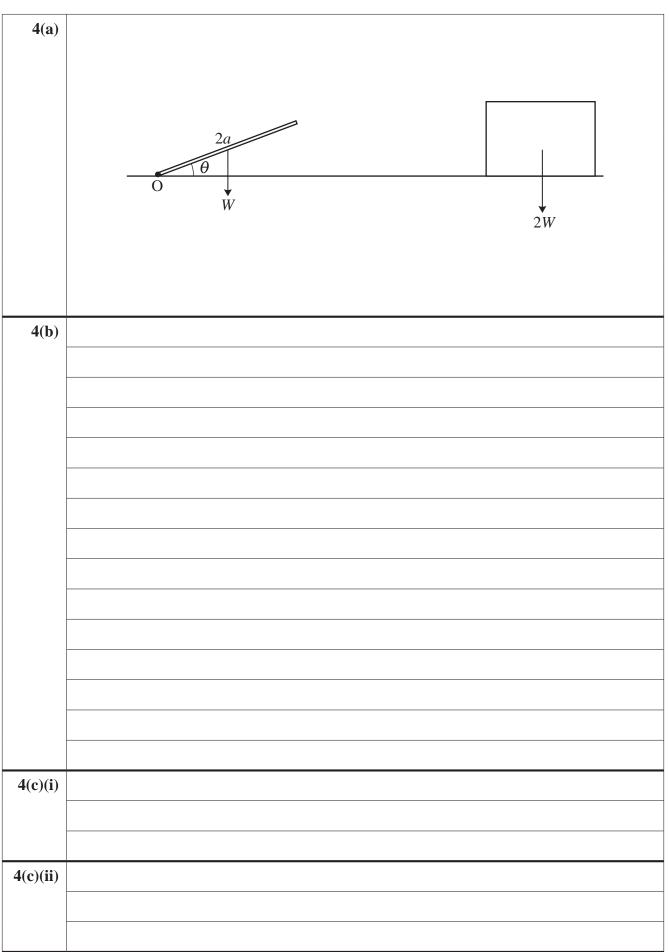
ADVICE

• Read each question carefully before you start your answer.

1	
2(a)	

2(b)	
2(c)	
2(d)	
2(u)	

3 (a)	
3(b)(i)	
3(b)(ii)	
3 (c)	



5(a)	
5(b)(i)	
5(b)(ii)	

5(c)	

6(a)	

6(b)	
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·	

7 (a)	

7(b)	

ADDITIONAL ANSWER SPACE

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).

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