



Oxford Cambridge and RSA

AS Level Further Mathematics A

Y533/01 Mechanics

Printed Answer Booklet

Tuesday 22 May 2018 – Afternoon

Time allowed: 1 hour 15 minutes



You must have:

- Question Paper Y533/01 (inserted)
- Formulae AS Level Further Mathematics A

You may use:

- a scientific or graphical calculator



First name										
Last name										
Centre number						Candidate number				

INSTRUCTIONS

- The Question Paper will be found inside the Printed Answer Booklet.
- 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.** If additional space is required, you should use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.
- Do **not** write in the barcodes.
- 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 reminded of the need for clear presentation in your answers.**
- The Printed Answer Booklet consists of **12** pages. The Question Paper consists of **4** pages.

PLEASE DO NOT WRITE ON THIS PAGE

[illegible]

2(i)	
2(ii)	
2(iii)	
2(iv)	

[illegible]

4(i)	
	4(ii)

4(iii)	
4(iv)	

5(i)	
5(ii)	
5(iii)(a)	

5(iii)(b)	
5(iv)(a)	
5(iv)(b)	

6(i)

(answer space continued on next page)

6(i)	(continued)
6(ii)	

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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