



Oxford Cambridge and RSA

**Monday 20 May 2019 – Afternoon**

**AS Level Further Mathematics A**

**Y533/01 Mechanics**

**Printed Answer Booklet**

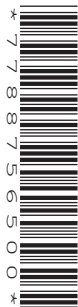
**Time allowed: 1 hour 15 minutes**

**You must have:**

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

**You may use:**

- a scientific or graphical calculator



Please write clearly in black ink. **Do not write in the barcodes.**

Centre number

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Candidate number

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First name(s)

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Last name

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**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.
- Answer **all** the questions.
- **Write your answer to each question in the space provided in the Printed Answer Booklet.** If additional space is required, use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.
- You are permitted to use a scientific or graphical calculator in this paper.
- Give non-exact numerical answers correct to 3 significant figures unless a different degree of accuracy is specified in the question.
- 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 **8** pages.

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

<b>2(a)</b>	
<b>2(b)</b>	
<b>2(c)</b>	

<b>3(a)</b>	
<b>3(b)</b>	
<b>3(c)</b>	

<b>4(a)</b>	
<b>4(b)</b>	
<b>4(c)</b>	
<b>4(d)</b>	

<b>5(a)</b>	
<b>5(b)(i)</b>	
<b>5(b)(ii)</b>	













