



# Thursday 7 October 2021 – Afternoon

# **AS Level Further Mathematics A**

Y532/01 Statistics

**Printed Answer Booklet** 

Time allowed: 1 hour 15 minutes

#### You must have:

- Question Paper Y532/01 (inside this document)
- the Formulae Booklet for AS Level Further Mathematics A
- · a scientific or graphical calculator



Please write clearly in black in	k. 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. You can use extra paper if you need to, but you must clearly show your candidate number, the centre number and the question numbers.
- 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 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  $gm\,s^{-2}$ . When a numerical value is needed use g=9.8 unless a different value is specified in the question.

### **INFORMATION**

- The total mark for this paper is 60.
- The marks for each question are shown in brackets [ ].
- This document has 8 pages.

#### **ADVICE**

Read each question carefully before you start your answer.

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

2	
3(a)	$y_{A}$
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4

3(b)(i)	
3(b)(ii)	
3(0)(11)	
4	

5	
<b>6(a)</b>	

<b>6(b)</b>	
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	_
6(c)	
7(a)	
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<b>7(b)</b>	
<b>8</b> (a)	
8(b)	

8(c)	
	The value of r
	The value of $\lambda$



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