

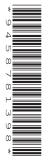
# Wednesday 15 June 2022 – Afternoon

## A Level Further Mathematics A

#### Y542/01 Statistics

### Printed Answer Booklet

#### Time allowed: 1 hour 30 minutes



Y	′ou must have:
•	Question Paper Y542/01 (inside this document)
•	the Formulae Booklet for A Level Further

- klet for A Level Further
- Mathematics A
- · 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 guestion 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 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  $gms^{-2}$ . 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 75.
- The marks for each question are shown in brackets [].
- This document has **12** pages.

#### ADVICE

Read each question carefully before you start your answer.

1(a)(i)	
1(a)(ii)	
1(b)	

2(a)	
<b>2(b)</b>	
2(c)(i)	
2(c)(ii)	
<b>2(d)</b>	

3	

4(a)	
4(b)	
4(c)	
4(d)	
+(u)	
4(e)	

5(a)		
Image: S(b)    Image: S(b)	5(a)	
S(b)		
5(b)		
	5(b)	

6(a)	
6(b)	
0(D)	

7	

8(a)	
8(b)	

9(a)	

9(b)	

ADDITIONAL ANSWER SPACE
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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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