

Friday 19 May 2023 – 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 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 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.

1(a)	
1(b)	
1(c)	
? (a)	
2(a)	

2(b)	
3(a)	
3(b)	

3(c)	
- (-)	
3(d)	
3(e)	
4	
4	

5(a)	
5(b)	
5(c)	
6(a)	

	x	0	1	2	3	4	5	6	Total
	Observed frequency	7	10	16	15	15	11	14	88
	Expected frequency								
	Contribution to χ^2 statistic	0.9	0.3333	0.2857	0.0625	0.0714			
6(c)									
_									
-									
-									
-									
-									
6(d)									
-									
-									
7(a)									
7(a)									
7(a) -									

7(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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