

Friday 13 June 2025 – Afternoon

A Level Further Mathematics B (MEI)

Y422/01 Statistics Major

Printed Answer Booklet

Time allowed: 2 hours 15 minutes

You must have:

- Question Paper Y422/01 (inside this document)
- the Formulae Booklet for Further Mathematics B (MEI)
- a scientific or graphical calculator

AB



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 question 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 your final answers to a degree of accuracy that is appropriate to the context.

INFORMATION

- This document has **20** pages.

ADVICE

- Read each question carefully before you start your answer.

Section A (34 marks)

1(a)	
1(b)	
	$E(X) =$
	$\text{Var}(X) =$
1(c)	

2(a)	
2(b)	
2(c)	

3(a)	
3(b)	
3(c)	
3(d)	

4(a)(i)	
4(a)(ii)	
4(b)	
4(c)	
4(d)	
4(e)	

Section B (86 marks)

5(a)	
5(b)	

6(a)	
6(b)	
6(c)	
6(d)	
6(e)	

7(a)	
	7(b)
(answer space continued on next page)	

7(b)	(continued)
7(c)	
7(d)	

8(a)	
8(b)	
8(c)	
	(answer space continued on next page)

8(c)	(continued)	
	8(d)	

DO NOT WRITE IN THIS SPACE

9(a)	
9(b)	
C3 =	
D3 =	
E3 =	
9(c)	

9(d)

10(a)	
10(b)	

10(c)

11(a)	
11(b)(i)	
11(b)(ii)	
11(c)(i)	

11(c)(ii)	
11(d)	
11(e)	
11(f)	

[illegible]

[illegible]

Copyright Information

For queries or further information please contact The OCR Copyright Team, The Triangle Building, Shaftesbury Road, Cambridge CB2 8EA.

© OCR 2025