



A Level Further Mathematics B (MEI) Y422 Statistics Major

Printed Answer Booklet

Version 2

Date - Morning/Afternoon

Time allowed: 2 hours 15 minutes

You must have:

- Question Paper Y422 (inserted)
- Formulae Further Mathematics B (MEI)

You may use:

• a scientific or graphical calculator



First name	
Last name	
Centre number	Candidate number

INSTRUCTIONS

- The Question Paper will be found in the Printed Answer Booklet.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Complete the boxes provided on the Printed Answer Booklet with your name, centre number and candidate number.
- Answer all the questions.
- Write your answer to each question in the space provided in the Printed Answer Booklet.

 Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- Do not write in the bar codes.
- You are permitted to use a scientific or graphical calculator in this paper.
- Final answers should be given to a degree of accuracy appropriate to the context.

INFORMATION

- You are advised that an answer may receive no marks unless you show sufficient detail of the
 working to indicate that a correct method is used. You should communicate your method with
 correct reasoning.
- The Printed Answer Booklet consists of 20 pages. The Question Paper consists of 16 pages.

Section A (30 marks)

1 (i)	
4 (11)	
1 (ii)	
	r 3 4 5 6
	$P(X=r)$ $\frac{2}{9}$ $\frac{14}{91}$
	$P(X=r) \qquad \frac{2}{9} \qquad \frac{14}{81}$
1 (iii)	
()	

2 (i) (A)	
(A)	
2 (i) (B)	
(B)	
2 (ii) (A)	
[

2 (ii) (B)	
2 (iii)	

3 (i)	
3(ii) (A)	Estimate
	Comment
3(ii) (B)	Estimate
	Comment
3 (iii)	
3 (iv)	

Section B (90 marks)

4 (i)	
4 (ii)	
4 (***)	
4 (iii)	
4 (iv)	

4 (v)	
<i>E</i> (3)	
5 (i)	
5 (ii)	
. ,	

6(ii)
7 (i)

7 (ii)	

8 (i)	
8(ii) (A)	
o(II) (A)	
8(ii) (B)	
8 (iii)	

8 (iv)	
9 (i) (A)	
9 (i) (B)	
9 (i) (<i>C</i>)	

9 (ii)	
9 (iii)	
	(answer space continued on next page)

9 (iii)	(continued)
9 (iv)	
10 (i)	

10 (ii)	
10 (iii)	
10 (iv)	
10 (v)	

11 (i)	
11 (ii)	
11 (iii)	

11 (iv)	
(A)	
11 (iv)	
(B)	
11 (iv)	
(C)	
11 (iv)	
(D)	

11 (v)	
11 (vi) (A)	
11 (vi) (B)	
11 (vii) (A)	
11 (vii) (B)	

11 (viii)	
11 (viii) (A)	
11 (viii) (B)	
(B)	

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