



Oxford Cambridge and RSA

Thursday 6 June 2019 – 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 (inserted)
- Formulae Further Mathematics B (MEI)

You may use:

- a scientific or graphical calculator



Please write clearly in black ink. **Do not write in the barcodes.**

Centre number

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Candidate number

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First name(s)

Last name

INSTRUCTIONS

- The Question Paper will be found inside the Printed Answer Booklet.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- **Write your answer to each question in the space provided in the Printed Answer Booklet.** If additional space is required, you should use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.
- 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 **16** pages. The Question Paper consists of **12** pages.

Section A (29 marks)

1(a)														
	<table border="1"><tr><td>r</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr><tr><td>$P(X = r)$</td><td>91k</td><td>61k</td><td>37k</td><td></td><td></td><td></td></tr></table>	r	1	2	3	4	5	6	$P(X = r)$	91k	61k	37k		
r	1	2	3	4	5	6								
$P(X = r)$	91k	61k	37k											
1(b)														
1(c)														

1(d)	

1(e)	

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

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

6

Section B (91 marks)

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

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

6(a)(i)	
6(a)(ii)	
6(a)(iii)	

6(b)(i)	
6(b)(ii)	
6(b)(iii)	

7(a)	
7(b)	
7(c)	
7(d)	

8(a)	
8(b)	
8(c)	

9(a)	
9(b)	
9(c)	
9(d)	
9(e)	

9(f)	
9(g)	
9(h)	

10(a)	
10(b)	

