



Oxford Cambridge and RSA

**Monday 3 June 2019 – Morning**

**A Level Further Mathematics B (MEI)**

**Y420/01 Core Pure**

**Printed Answer Booklet**

**Time allowed: 2 hours 40 minutes**



**You must have:**

- Question Paper Y420/01 (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

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**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 **24** pages. The Question Paper consists of **8** pages.

**Section A (34 marks)**

<b>1</b>	



**3(a)**


**3(b)**


4	



<b>6</b>	

<b>7(a)</b>	

<b>7(b)</b>	
<b>7(c)</b>	



**Section B** (110 marks)

<b>8(a)</b>	
<b>8(b)</b>	

9	

<b>10(a)</b>	
<b>10(b)</b>	
<b>10(c)</b>	

<b>11(a)</b>	
<b>11(b)</b>	
<b>11(c)</b>	



<b>13(a)</b>	
<b>13(b)</b>	
<b>13(c)</b>	

<b>14(a)(i)</b>	

<b>14(a)(ii)</b>	

14(b)	





**16(a)**


**16(b)**


(answer space continued on next page)

<b>16(b)</b>	<b>(continued)</b>

<b>17(a)</b>	

<b>17(b)</b>	

<b>17(c)(i)</b>	

<b>17(c)(ii)</b>	

<b>17(d)</b>	
<b>17(e)(i)</b>	
	<b>17(e)(ii)</b>



**ADDITIONAL ANSWER SPACE**

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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