



Oxford Cambridge and RSA

**Thursday 25 May 2023 – Afternoon**

**AS Level Mathematics B (MEI)**

**H630/02 Pure Mathematics and Statistics**

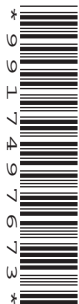
**Printed Answer Booklet**

**Time allowed: 1 hour 30 minutes**



**You must have:**

- Question Paper H630/02 (inside this document)
- 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)

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Last name

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**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 **16** pages.

**ADVICE**

- Read each question carefully before you start your answer.

<b>1(a)</b>	
<b>1(b)(i)</b>	
<b>1(b)(ii)</b>	
<b>2(a)</b>	
<b>2(b)</b>	
<b>3</b>	

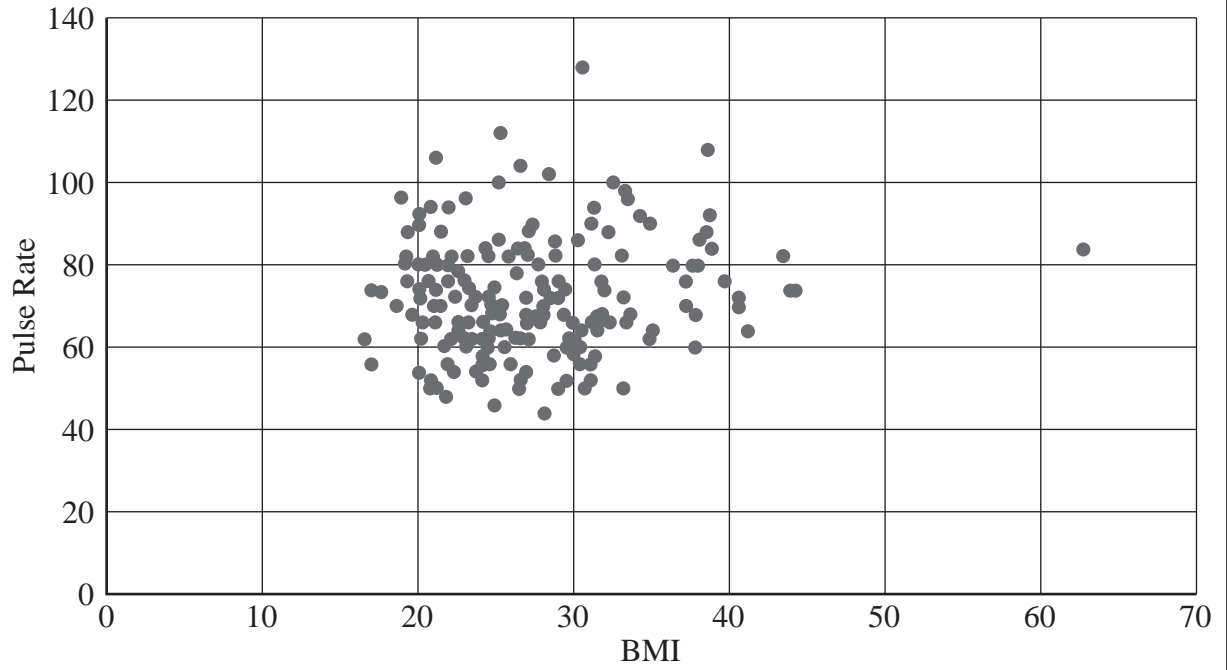
<b>4(a)</b>	
<b>4(b)</b>	
<b>5</b>	

<b>6(a)</b>	
<b>6(b)</b>	
<b>6(c)</b>	
<b>6(d)</b>	
<b>7(a)</b>	



8(b)

Scatter diagram of Pulse Rate against BMI



8(c)


8(d)


9(a)


<b>9(b)</b>	
<b>9(c)</b>	
<b>9(d)</b>	







<b>12(a)</b>															
<b>12(b)</b>															
<b>12(c)</b>	<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Weight in kg</td> <td style="padding: 5px;">50–</td> <td style="padding: 5px;">65–</td> <td style="padding: 5px;">75–</td> <td style="padding: 5px;">80–</td> <td style="padding: 5px;">90–</td> <td style="padding: 5px;">100–120</td> </tr> <tr> <td style="padding: 5px;">Frequency</td> <td style="padding: 5px;"></td> <td style="padding: 5px; text-align: center;">8</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </table>	Weight in kg	50–	65–	75–	80–	90–	100–120	Frequency		8				
	Weight in kg	50–	65–	75–	80–	90–	100–120								
	Frequency		8												
<b>12(d)</b>															
<b>12(e)</b>															

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



<b>15(a)</b>	
<b>15(b)</b>	
<b>15(c)</b>	
<b>15(d)</b>	





