



Oxford Cambridge and RSA

Tuesday 14 June 2022 – Afternoon

A Level Mathematics B (MEI)

H640/02 Pure Mathematics and Statistics

Printed Answer Booklet

Time allowed: 2 hours

You must have:

- Question Paper H640/02 (inside this document)
- a scientific or graphical calculator



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 (23 marks)

1	
2	

6
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PLEASE DO NOT WRITE ON THIS PAGE

Section B (77 marks)

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

DO NOT WRITE IN THIS SPACE

9(a)	
	The mean mark =
	The variance of the marks =
9(b)	
9(c)	
9(d)	

11(a)	
11(b)	
11(c)	
11(d)	

11(e)	
12(a)	
12(b)	
12(c)	

13(a)	
13(b)	

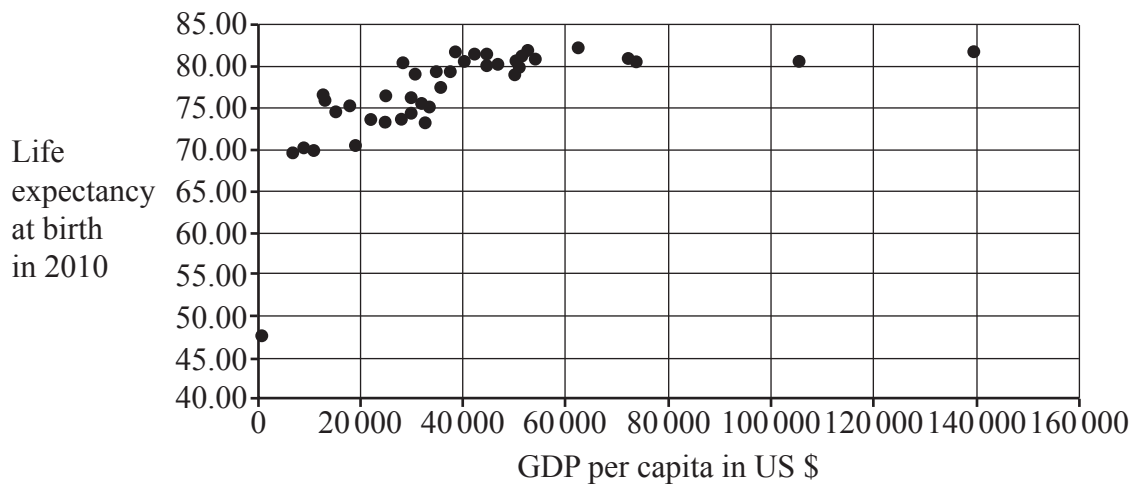
14(a)	
14(b)	
14(c)	
14(d)	

14(e)	
15(a)	
15(b)	
15(c)	

15(d)

15(e)

Scatter diagram of life expectancy at birth in 2010 against GDP per capita in US \$



15(f)

16(b)

