



Oxford Cambridge and RSA

Thursday 12 June 2025 – Afternoon

A Level Mathematics A

H240/02 Pure Mathematics and Statistics

Printed Answer Booklet

Time allowed: 2 hours



You must have:

- Question Paper H240/02 (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 non-exact numerical answers correct to **3** significant figures unless a different degree of accuracy is specified in the question.
- The acceleration due to gravity is denoted by gms^{-2} . When a numerical value is needed use $g = 9.8$ unless a different value is specified in the question.

INFORMATION

- The total mark for this paper is **100**.
- The marks for each question are shown in brackets [].
- This document has **20** pages.

ADVICE

- Read each question carefully before you start your answer.

2

Section A
Pure Mathematics

1	
2(a)	
2(b)	
2(c)	

3(a)(i)	
	3(a)(ii)
Upper bound:	
3(b)	

4(a)	
4(b)	

5

6(a)(i)	
6(a)(ii)	
6(b)	

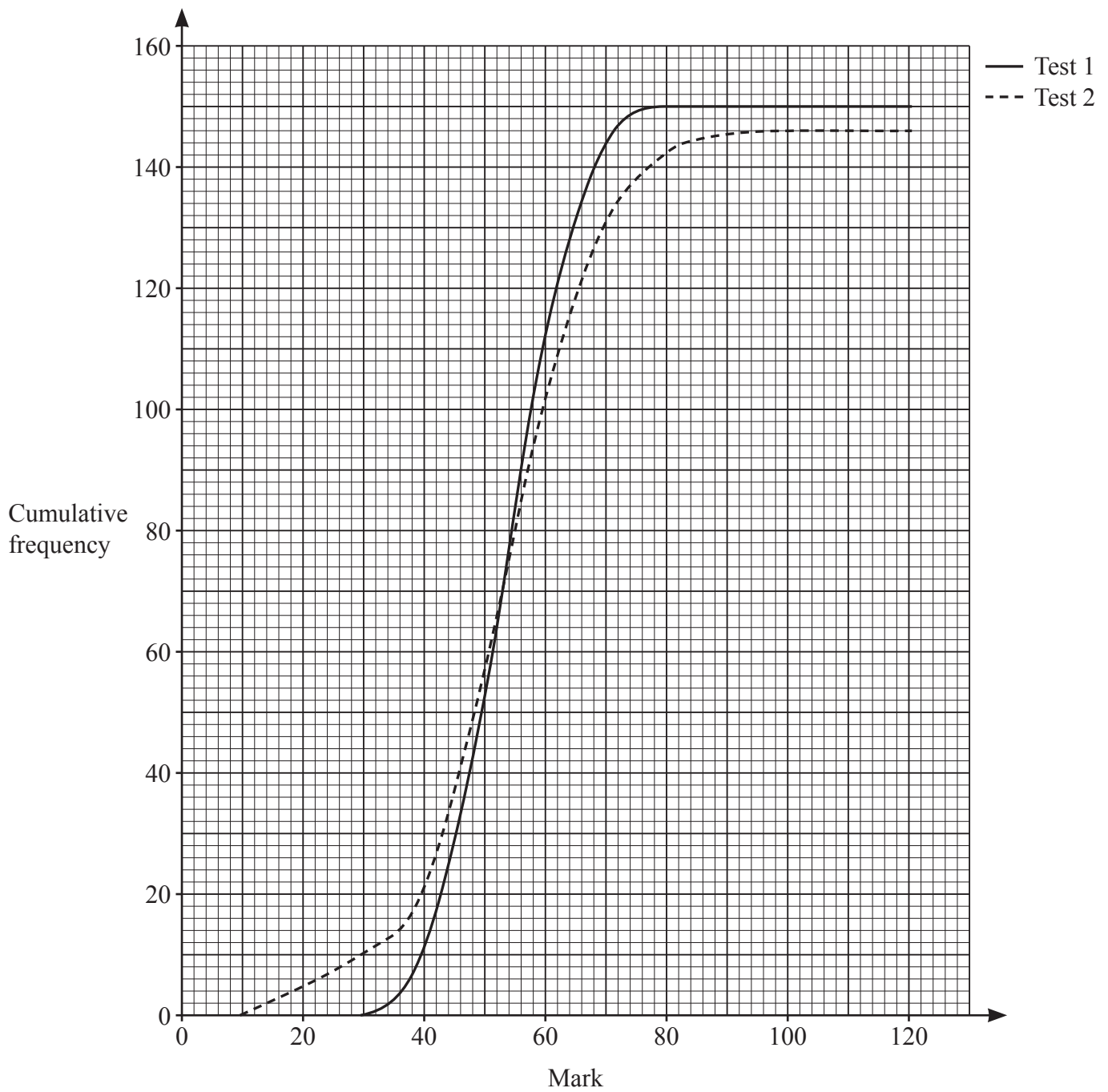
7(a)(i)	
7(a)(ii)	
7(b)	

[illegible]

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10
Section B
Statistics



9(a)

9(b)	
9(c)	
9(d)	
9(e)	
9(f)(i)	
	Mean =
	Standard deviation =

9(f)(ii)	

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10(a)	
10(b)	
10(c)	

11(a)	
11(b)	

12(a)(i)	
12(a)(ii)	
	12(b)

13(a)	
13(b)	
13(c)	
13(d)(i)	
13(d)(ii)	

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

15	

[illegible]

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