

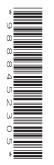
Tuesday 13 June 2023 – Afternoon

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				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 guestion 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.

1(a)(i)	
1(a)(i)	
1(a)(ii)	
1(b)	

2(a)	
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2(b)	
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4(a)	
10.5	
4(b)	

5(a)(i)	
5(a)(ii)	

5(b)	
5(c)(i)	
5(c)(ii)	
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6(a)	
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6(b)(i)	
6(b)(ii)	
6(c)	

7(a)	
7(b)	

Section B: Statistics

8(a)	
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8(b)	
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9(a)	
9(b)(i)	
9(b)(ii)	
9(c)	
9(d)	
9(u)	

10	

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

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

13(c)(ii)	
13(d)	
14(a)	

14(b)	
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ADDITIONAL	ANSWER	SPACE
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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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