

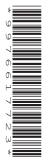
Monday 5 June 2023 – Afternoon

A Level Further Mathematics A

Y541/01 Pure Core 2

Printed Answer Booklet

Time allowed: 1 hour 30 minutes



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- Y541/01 (inside this document) • the Formulae Booklet for A Level Further
- Mathematics A
- · 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 75.
- The marks for each question are shown in brackets [].
- This document has 16 pages.

ADVICE

Read each question carefully before you start your answer.

1(a)(i)	
1(a)(ii)	
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1(b)	
1(0)	
1(c)(i)	
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1(c)(ii)	
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1(c)(iii)	
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1(d)	
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2(a)	
2(b)	

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3(a)	
2(1)	
3(b)	

4	

5

5(a)	
5(b)	

6(a)	
6(b)	

7(a)	
	(answer space continued on next page)

7(a)	(continued)
7(b)	
/(D)	

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

9(a)	
9(b)	
	(answer space continued on next pag

9(b)	(continued)
9(c)	

10	
-	
	(answer space continued on next page)

10	(continued)

ADDITIONAL ANSWER S	PACE
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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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