



Wednesday 6 June 2018 - Morning

A2 GCE MATHEMATICS

4730/01 Mechanics 3

PRINTED ANSWER BOOK

Candidates answer on this Printed Answer Book.

OCR supplied materials:

- Question Paper 4730/01 (inserted)
- List of Formulae (MF1)

Other materials required:

Scientific or graphical calculator

Duration: 1 hour 30 minutes



Candidate forename				Candidate surname			
Centre number				Candidate nu	ımber		

INSTRUCTIONS TO CANDIDATES

These instructions are the same on the Printed Answer Book and the Question Paper.

- The Question Paper will be found inside the Printed Answer Book.
- Write your name, centre number and candidate number in the spaces provided on the Printed Answer Book. Please write clearly and in capital letters.
- Write your answer to each question in the space provided in the Printed Answer Book. If additional space is required, you should use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer all the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Do not write in the barcodes.
- You are permitted to use a scientific or graphical calculator in this paper.
- Give non-exact numerical answers correct to 3 significant figures unless a different degree of accuracy is specified in the question or is clearly appropriate.
- The acceleration due to gravity is denoted by $g \, \text{m} \, \text{s}^{-2}$. Unless otherwise instructed, when a numerical value is needed, use g = 9.8.

INFORMATION FOR CANDIDATES

This information is the same on the Printed Answer Book and the Question Paper.

- The number of marks is given in brackets [] at the end of each question or part question on the Question Paper.
- You are reminded of the need for clear presentation in your answers.
- The total number of marks for this paper is 72.
- The Printed Answer Book consists of 16 pages. The Question Paper consists of 4 pages. Any blank pages are indicated.



1	
1	

2 (i)	
2 (ii)	
2 (iii)	

3 (i)	
3 (ii)	
	(answer space continued on next page)

3 (ii)	(continued)

4 (i)	
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4(ii)	
4 (II)	

4(iii)	

5(i)	
5(ii)	
	(answer space continued on next page)

5(ii)	(continued)

6 (i)	
6 (ii)	
	(answer space continued on next page)

6 (ii)	(continued)

7(i)	
7(::)	
7 (ii)	

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

7(iii)	(continued)

ADDITIONAL ANSWER SPACE

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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