

# Wednesday 3 June 2015 - 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.
  Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- 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 bar codes.
- 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  $g \, \text{m s}^{-2}$ . 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 12 pages. The Question Paper consists of 4 pages. Any blank pages are indicated.



1 (i)	
1 (ii)	

2 (ii)	

3 (i)	

3 (ii)	

4 (i)	
4 (ii)	

5(i)	
5 (ii)	

6 (i)	
6 (ii)	

6 (iii)	

7(i)	

7(ii)	

7(iii)	



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