



Oxford Cambridge and RSA

A Level Mathematics B (MEI)

H640/01 Pure Mathematics and Mechanics

Printed Answer Booklet

Wednesday 6 June 2018 – Morning

Time allowed: 2 hours


You must have:

- Question Paper H640/01 (inserted)

You may use:

- a scientific or graphical calculator



First name

Last name

Centre
numberCandidate
number

INSTRUCTIONS

- The Question Paper will be found inside the Printed Answer Booklet.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Complete the boxes provided on the Printed Answer Booklet with your name, centre number and candidate number.
- Answer **all** the questions.
- **Write your answer to each question in the space provided in the Printed Answer Booklet.** Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- Do **not** write in the barcodes.
- You are permitted to use a scientific or graphical calculator in this paper.
- Final answers should be given to a degree of accuracy appropriate to the context.
- 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

- You are advised that an answer may receive **no marks** unless you show sufficient detail of the working to indicate that a correct method is used. You should communicate your method with correct reasoning.
- The Printed Answer Booklet consists of **20** pages. The Question Paper consists of **12** pages.

Section A (23 marks)

1	
2	

3

4(i)

4(ii)

5(i)	

5(ii)	

6(i)	

6(ii)	

6(ii)	

Section B (77 marks)

7(i)	
7(ii)	

8(i)	
8(ii)	

9(i)

9(ii)

9(iii)	

10	

(answer space continued on next page)

11(i)	
11(ii)	

12(i)	
12(ii)(A)	
	12(ii)(B)

12(iii)	
12(iv)	

(answer space continued on next page)

12(iv) (continued)	
13(i)	

13(ii)	

13(iii)	

13(iv)	

13(v)	

14(i)	
14(ii)	
14(iii)	

14(iv)	
14(v)	

14(vi)	
14(vii)	