



Oxford Cambridge and RSA

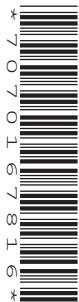
A Level Mathematics B (MEI)

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 number						Candidate 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 $g\text{ms}^{-2}$. 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	

5(i)	

5(ii)	

9(ii)	

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)

13(ii)	

13(iii)	

13(iv)	

13(v)	

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

14(iv)	
14(v)	

14(vi)	
14(vii)	