



Oxford Cambridge and RSA

Wednesday 6 June 2018 – Morning

AS GCE MATHEMATICS (MEI)

4752/01 Concepts for Advanced Mathematics (C2)

PRINTED ANSWER BOOK

Candidates answer on this Printed Answer Book.

OCR supplied materials:

- Question Paper 4752/01 (inserted)
- MEI Examination Formulae and Tables (MF2)

Other materials required:

- Scientific or graphical calculator

Duration: 1 hour 30 minutes



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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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.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Answer **all** the questions.
- 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.

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 advised that an answer may receive **no marks** unless you show sufficient detail of the working to indicate that a correct method is being used.
- The total number of marks for this paper is **72**.
- The Printed Answer Book consists of **16** pages. The Question Paper consists of **8** pages. Any blank pages are indicated.

Section A (36 marks)

1 (i)	
1 (ii)	
2 (i)	
2 (ii)	

4	

5	

8(i)	

8(ii)	

Section B (36 marks)

9(i)	

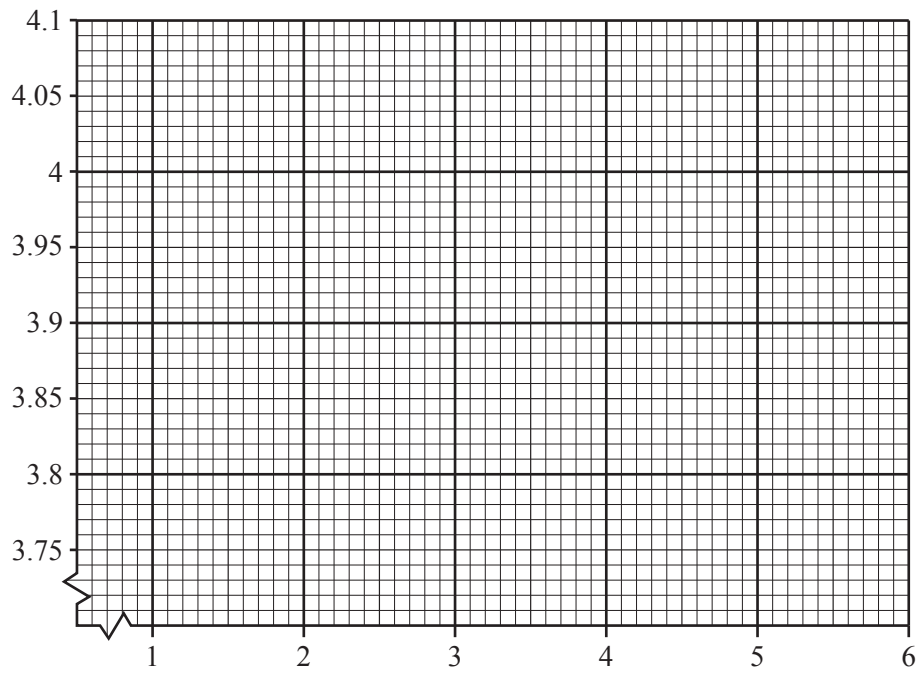
10(i)	
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10(iii)(A)	

10(iii)(B)	

11(i)																													
11(ii)																													
	11(iii)	<table border="1" style="width: 100%; border-collapse: collapse; margin: 0 auto;"> <tr> <td style="width: 15%;">Year</td> <td style="width: 15%;">2011</td> <td style="width: 15%;">2012</td> <td style="width: 15%;">2013</td> <td style="width: 15%;">2014</td> <td style="width: 15%;">2015</td> </tr> <tr> <td>t</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td>GDP (G billion US\$)</td> <td>7573</td> <td>8561</td> <td>9607</td> <td>10482</td> <td>11010</td> </tr> <tr> <td>$\log_{10} G$</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>					Year	2011	2012	2013	2014	2015	t	1	2	3	4	5	GDP (G billion US\$)	7573	8561	9607	10482	11010	$\log_{10} G$				
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11 (iii)
and (iv)



11 (v)

