

**Friday 21 June 2013 – Morning**

**A2 GCE MATHEMATICS (MEI)**

**4772/01** Decision Mathematics 2

**PRINTED ANSWER BOOK**

Candidates answer on this Printed Answer Book.

**OCR supplied materials:**

- Question Paper 4772/01 (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 in the centre of 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.
- 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 bar codes.
- You are permitted to use a 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 **12** pages. The Question Paper consists of **8** pages. Any blank pages are indicated.

<b>1 (a) (i)</b>	
<b>1 (a) (ii)</b>	
<b>1 (a) (iii)</b>	
<b>1 (a) (iv)</b>	
<b>1 (b) (i)</b>	
<b>1 (b) (ii)</b>	







3

	1	2	3	4	5
1	$\infty$	6	$\infty$	2	3
2	6	$\infty$	7	3	$\infty$
3	$\infty$	7	$\infty$	6	9
4	2	3	6	$\infty$	7
5	3	$\infty$	9	7	$\infty$

	1	2	3	4	5
1	1	2	3	4	5
2	1	2	3	4	5
3	1	2	3	4	5
4	1	2	3	4	5
5	1	2	3	4	5

	1	2	3	4	5
1	$\infty$	6	$\infty$	2	3
2	6	12	7	3	9
3	$\infty$	7	$\infty$	6	9
4	2	3	6	4	5
5	3	9	9	5	6

	1	2	3	4	5
1	1	2	3	4	5
2	1	1	3	4	1
3	1	2	3	4	5
4	1	2	3	1	1
5	1	1	3	1	1

	1	2	3	4	5
1	12	6	13	2	3
2	6	12	7	3	9
3	13	7	14	6	9
4	2	3	6	4	5
5	3	9	9	4	6

	1	2	3	4	5
1	2	2	2	4	5
2	1	1	3	4	1
3	2	2	2	4	5
4	1	2	3	1	1
5	1	1	3	1	1

	1	2	3	4	5
1	12	6	13	2	3
2	6	12	7	3	9
3	13	7	14	6	9
4	2	3	6	4	5
5	3	9	9	5	6

	1	2	3	4	5
1	2	2	2	4	5
2	1	1	3	4	1
3	2	2	2	4	5
4	1	2	3	1	1
5	1	1	3	1	1

3(i)(A)

	1	2	3	4	5
1					
2					
3					
4					
5					

	1	2	3	4	5
1					
2					
3					
4					
5					

	1	2	3	4	5
1	4	5	8	2	3
2	5	6	7	3	8
3	8	7	12	6	9
4	2	3	6	4	5
5	3	8	9	5	6

	1	2	3	4	5
1	4	4	4	4	5
2	4	4	3	4	4
3	4	2	4	4	5
4	1	2	3	1	1
5	1	1	3	1	1

3(i)(B)








<b>4 (i)</b>	
<b>4 (ii)</b>	
<b>4 (iii)</b>	

<b>4 (iv)</b>	

<b>4 (v)</b>	

<b>4 (vi)</b>	
<b>4 (vii)</b>	

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