

Friday 22 June 2012 – Afternoon

A2 GCE MATHEMATICS (MEI)

4772 Decision Mathematics 2

PRINTED ANSWER BOOK

Candidates answer on this Printed Answer Book.

OCR supplied materials:

- Question Paper 4772 (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.

1(a)(i)	
1(a)(ii)	
1(a)(iii)	
1 (b)	

1 (c)	

2 (i)	
2 (ii)	

2 (iii)

3

	1	2	3	4	5
1	∞	2	∞	∞	5
2	2	∞	3	2	∞
3	∞	3	∞	7	8
4	∞	2	7	∞	1
5	5	∞	8	1	∞

	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	∞	2	∞	∞	5
2	2	4	3	2	7
3	∞	3	∞	7	8
4	∞	2	7	∞	1
5	5	7	8	1	10

	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	4	5
5	1	1	3	4	1

	1	2	3	4	5
1	4	2	5	4	5
2	2	4	3	2	7
3	5	3	6	5	8
4	4	2	5	4	1
5	5	7	8	1	10

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

	1	2	3	4	5
1	4	2	5	4	5
2	2	4	3	2	7
3	5	3	6	5	8
4	4	2	5	4	1
5	5	7	8	1	10

	1	2	3	4	5
1	2	2	2	2	5
2	1	1	3	4	1
3	2	2	2	2	5
4	2	2	2	2	5
5	1	1	3	4	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	2	5	4	5
2	2	4	3	2	3
3	5	3	6	5	6
4	4	2	5	2	1
5	5	3	6	1	2

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

3(i)(B)

3(i)(C)

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3 (ii)

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3 (iii)	
3 (iv)	
3 (v)	

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4 (ii)	

4 (iii)	
4 (iv)	

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