

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	
Centre number		Candidate number	

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 (a) (iv)	
1 (b) (i)	
	1 (b) (ii)

[illegible]

2(i)

[illegible]

3

	1	2	3	4	5
1	∞	6	∞	2	3
2	6	∞	7	3	∞
3	∞	7	∞	6	9
4	2	3	6	∞	7
5	3	∞	9	7	∞

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

	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	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	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	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	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	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)

3(i)(C)	
3(ii)	
3(iii)	
3(iv)	

3(v)	
3(vi)	

4(i)	
4(ii)	
4(iii)	

4(iv)	
4(v)	

4(vi)	
4(vii)	

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