



Tuesday 10 June 2014 – Morning

AS GCE MATHEMATICS (MEI)

4771/01 Decision Mathematics 1

PRINTED ANSWER BOOK

Candidates answer on this Printed Answer Book.

OCR supplied materials:

- Question Paper 4771/01 (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.** 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 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 **12** pages. The Question Paper consists of **8** pages. Any blank pages are indicated.

Section A (24 marks)

1 (i)	
1 (ii)	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
1 (iii)	<hr/> <hr/> <hr/> <hr/> <hr/>
1 (iv)	<hr/> <hr/> <hr/> <hr/> <hr/>

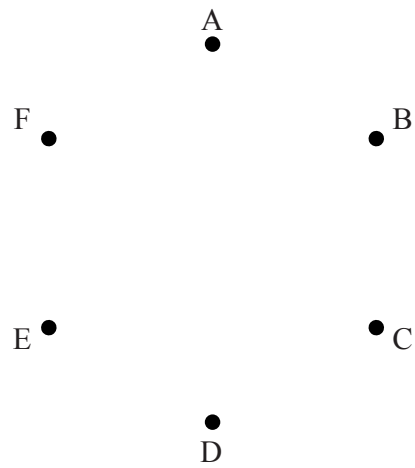
2 (i)	
2 (ii)	Random digits: 7 9 1 2 3 0 6 5 2 6 1 9 4 4 2
2 (iii)	
2 (iv)	Random numbers: 21 37 55 42 12 85 62 23 05 09 67 56 23 34 15
2 (v)	

3(i)

3(ii)

A spare copy of this table and diagram can be found on page 5.

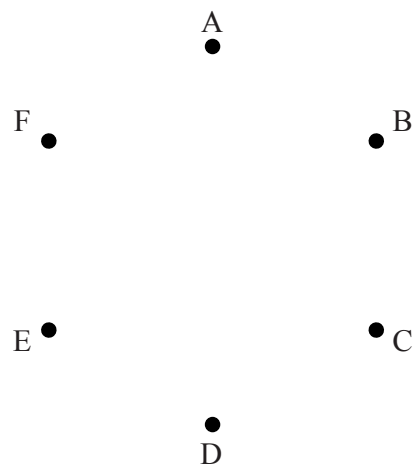
	A	B	C	D	E	F
A		6	7	12		3
B	6		10		8	
C	7	10		2		
D	12		2		9	8
E		8		9		
F	3			8		



3 (ii)

Spare copy of table and diagram for question 3 (ii)

	A	B	C	D	E	F
A		6	7	12		3
B	6		10		8	
C	7	10		2		
D	12		2		9	8
E		8		9		
F	3			8		



Section B (48 marks)

4 (i) & (ii)

<p>4 (i) & (ii)</p>	
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4 (iii)

4 (iv)

5 (a) (i)	
5 (a) (ii)	
5 (a) (iii)	
5 (a) (iv)	
5 (b) (i)	
5 (b) (ii)	

5 (b) (iii)	

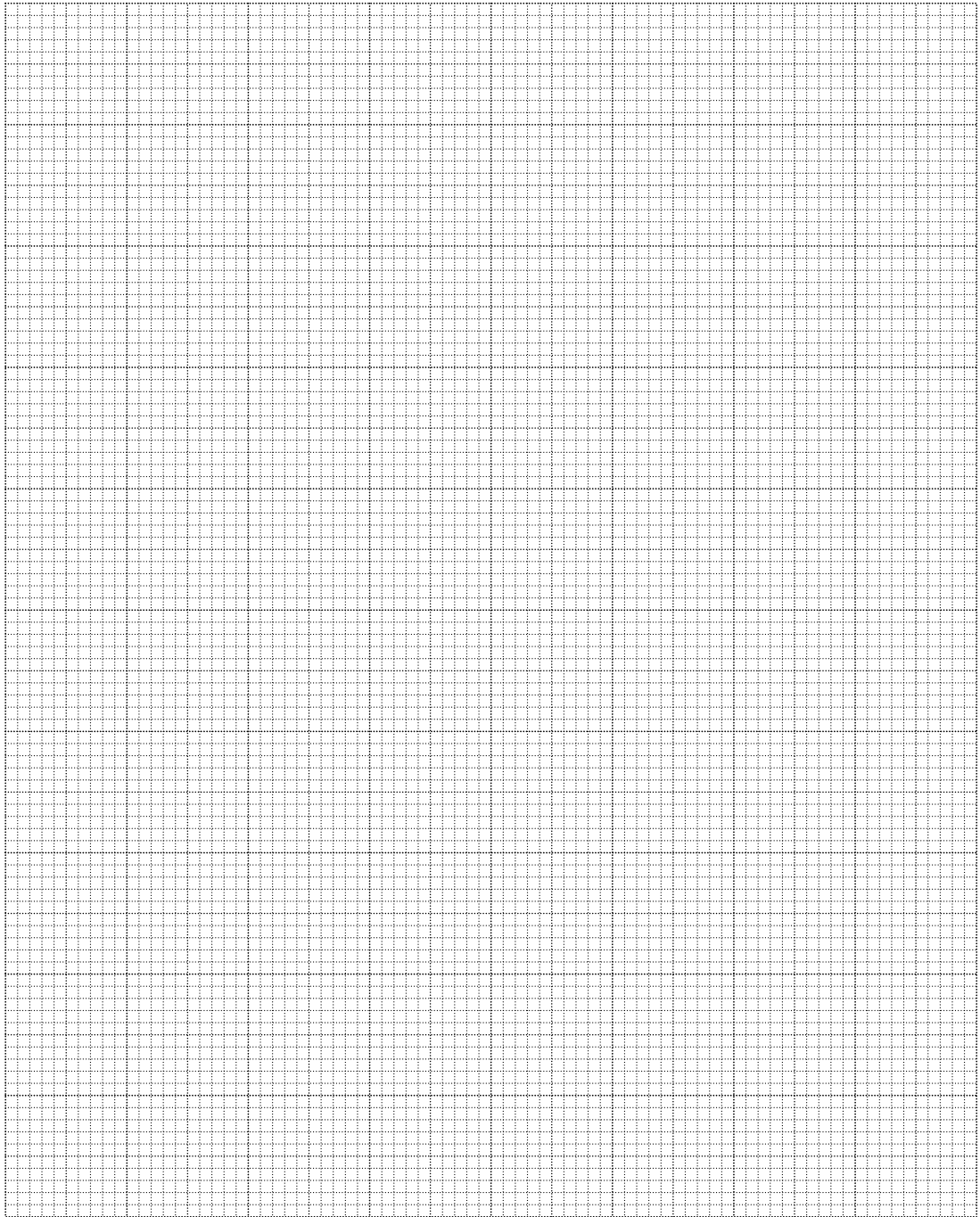
5 (b) (iv)	

5 (b) (v)	

6 (i)	

6 (ii)

A spare copy of this graph paper is available on page 12.

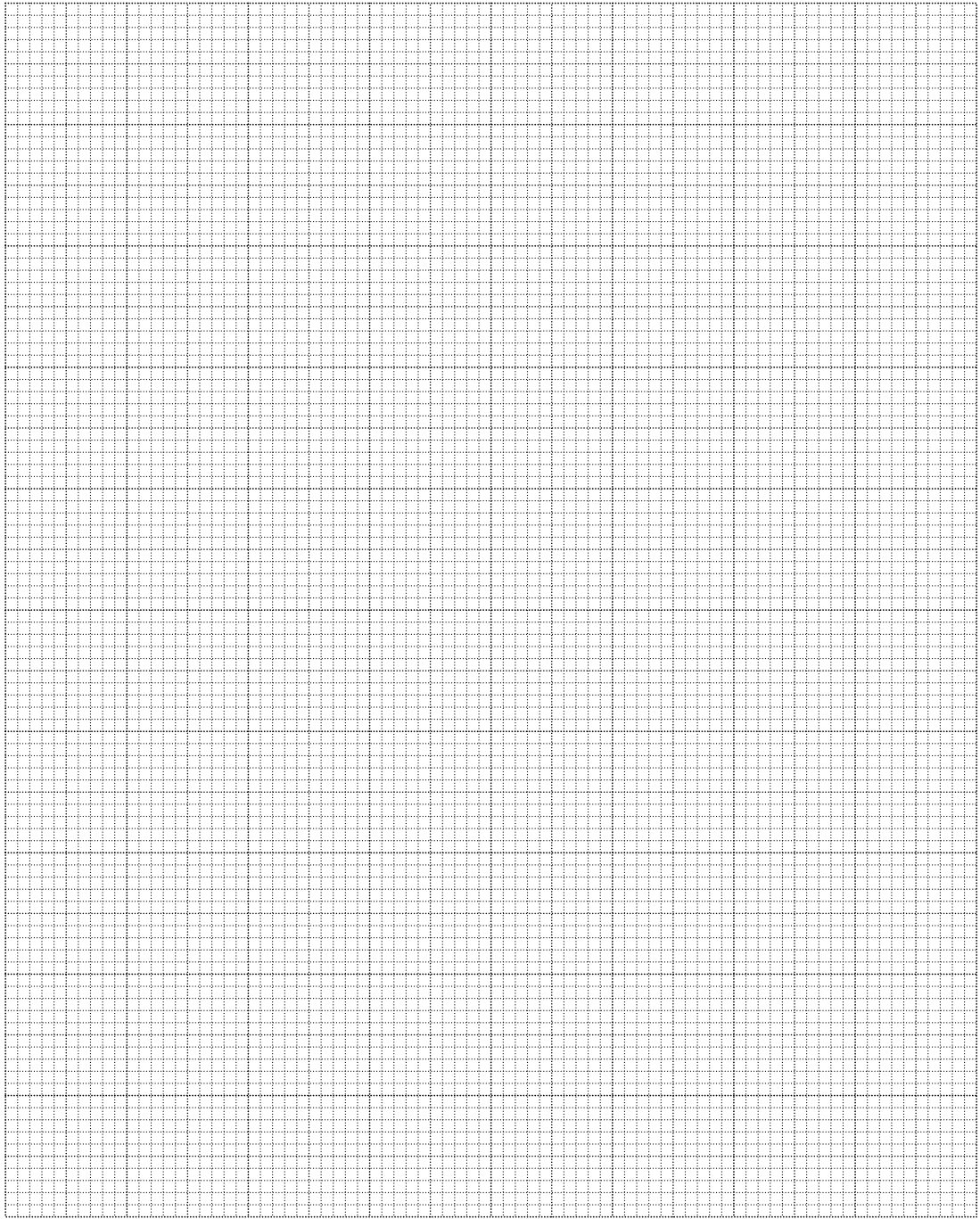


6 (iii)	

6 (iv)	

6 (ii)

Spare copy of graph paper for question 6 (ii)

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