

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
A2 GCE

4737/01

MATHEMATICS

Decision Mathematics 2

PRINTED ANSWER BOOK

FRIDAY 17 MAY 2013: Morning

DURATION: 1 hour 30 minutes
plus your additional time allowance

MODIFIED ENLARGED

Candidate forename		Candidate surname	
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Centre number						Candidate number				
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Candidates answer on this Printed Answer Book or any suitable paper provided by the centre. The Printed Answer Book may be enlarged by the centre.

OCR SUPPLIED MATERIALS:

Question Paper 4737/01 (inserted)
List of Formulae (MF1)

OTHER MATERIALS REQUIRED:

Scientific or graphical calculator

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES

- **Write your name, centre number and candidate number in the spaces provided on the Printed Answer Book or on the paper provided by the centre. Please write clearly and in capital letters.**
- **If you use the Printed Answer Book, write your answer to each question in the space provided. 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.**
- **Answer ALL the questions.**
- **Read each question carefully. Make sure you know what you have to do before starting your answer.**
- **You are permitted to use a scientific or graphical calculator in this paper.**
- **Give non-exact numerical answers correct to 3 significant figures unless a different degree of accuracy is specified in the question or is clearly appropriate.**

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question on the Question Paper.
- **YOU ARE REMINDED OF THE NEED FOR CLEAR PRESENTATION IN YOUR ANSWERS.**
- The total number of marks for this paper is 72.

1 (i)	<i>A</i> ●	● 1
	<i>B</i> ●	● 2
	<i>C</i> ●	● 3
	<i>D</i> ●	● 4
	<i>E</i> ●	● 5
	<i>F</i> ●	● 6
1 (ii)	<i>A</i> ●	● 1
	<i>B</i> ●	● 2
	<i>C</i> ●	● 3
	<i>D</i> ●	● 4
	<i>E</i> ●	● 5
	<i>F</i> ●	● 6

1 (iii)	
2 (i)	

2 (ii)

(answer space continued on next page)

2 (ii)	(continued)

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2 (iii)

(answer space continued on next page)

2 (iii)	(continued)
2 (iv)	

<p>3 (i)(ii)</p>	
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3 (iii)	

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3 (iv)

	0	10	20	30	40	50	60	70	80	90	100
Molly											
Friend 1											
Friend 2											

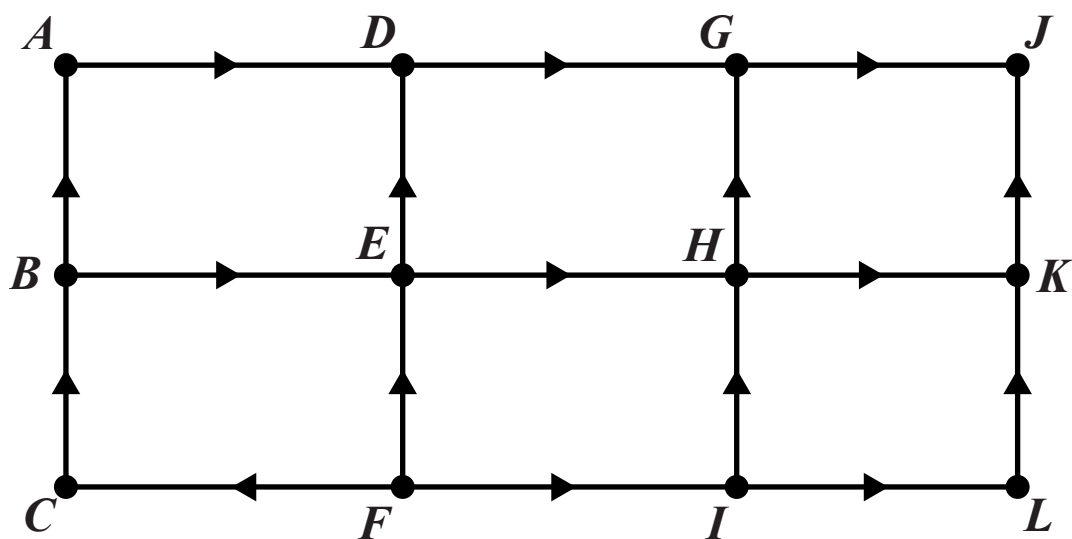
3(v)

	0	10	20	30	40	50	60	70	80	90	100
Molly											
Friend											

4 (i)	
4 (ii)	

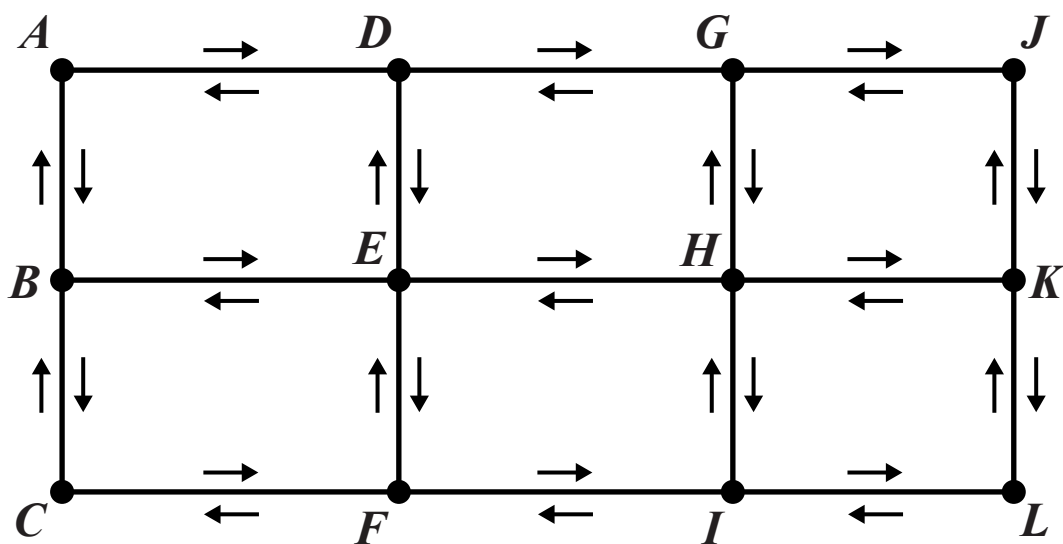
4 (iii)	

4 (iv)



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4(v)



5(i)	

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QUESTION 5 (ii) BEGINS ON PAGE 20

5(ii)

(answer space continued on next page)

5(ii)	(continued)

5 (iii)	

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6 (i)	

6 (ii)	For reference:

	Jeff	Kathy	Leo
Greg	2	3	4
Hakkim	4	3	1
Iona	1	0	3

	Jeff	Kathy	Leo
Greg			
Hakkim			
Iona			

6 (iii)

	Jeff	Kathy	Leo
Greg			
Hakkim			
Iona			

Play-safe for Royal team = _____

Play-safe for Carlton team = _____

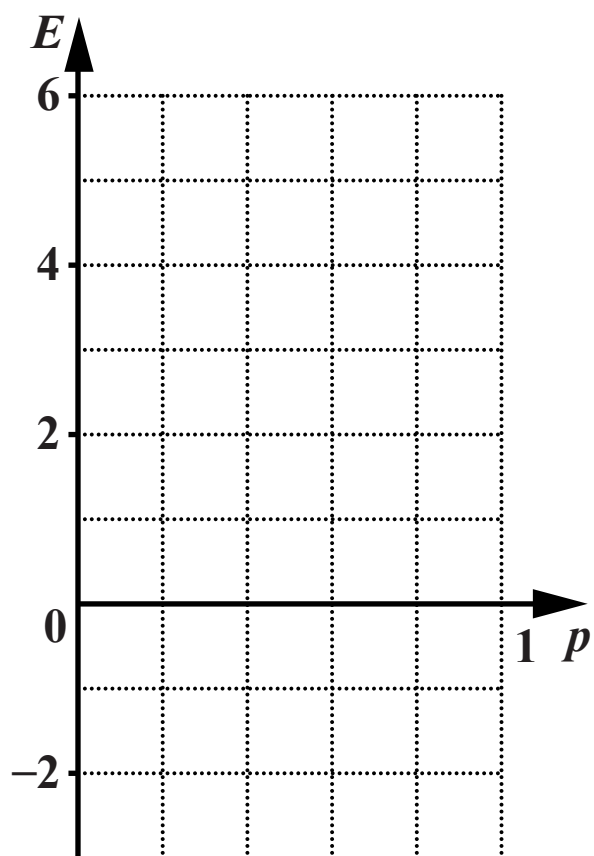
6 (iv)	

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6(v)	

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6 (vi)



6 (vii)	

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