

Friday 18 May 2012 – Morning

A2 GCE MATHEMATICS

4737 Decision Mathematics 2

PRINTED ANSWER BOOK

Candidates answer on this Printed Answer Book.

OCR supplied materials:

- Question Paper 4737 (inserted)
- List of Formulae (MF1)

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.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Do **not** write in the bar codes.
- 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

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 reminded of the need for clear presentation in your answers.**
- 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 (i)	<p style="text-align: center;"><i>A</i> • • 2200</p> <p style="text-align: center;"><i>B</i> • • 0100</p> <p style="text-align: center;"><i>C</i> • • 0200</p> <p style="text-align: center;"><i>D</i> • • 0300</p> <p style="text-align: center;"><i>E</i> • • 0400</p> <p style="text-align: center;"><i>F</i> • • 0500</p>
1 (ii)	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
1 (iii)	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

2 (i)	
2 (ii)	
2 (iii)	

4 (i)

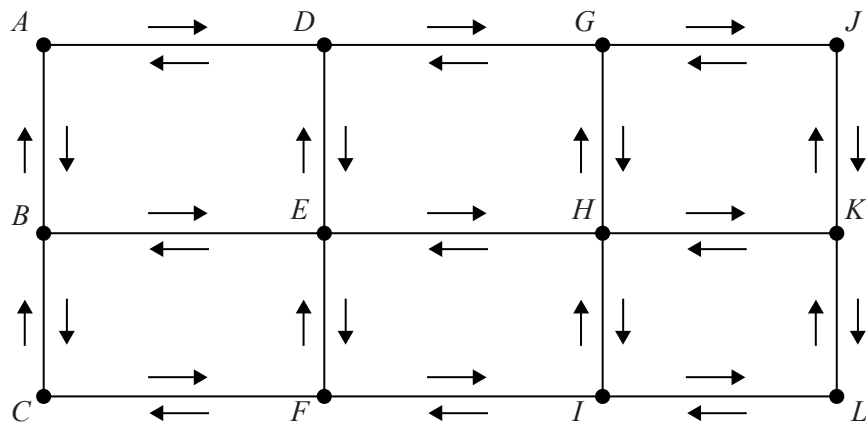
		Cyclists		
		Chris	Jamie	Wendy
Rowers	Andy	-3	2	-4
	Kath	5	4	-6
	Zac	1	-4	-5

4 (ii)

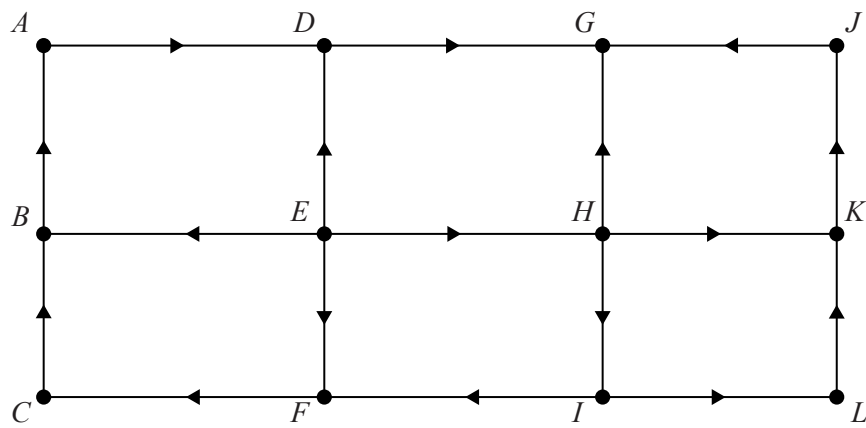
4 (iii)	
4 (iv)	
4 (v)	

5 (i)	
5 (ii)	
5 (iii)	$HK =$ $IL =$
5 (iv)	$EH =$ $CB =$
5 (v)	

5 (vi)



5 (vii)



6(i)(ii)	
6 (iii)	

6 (iv)	

6 (v)	

6 (vi)	



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