



Oxford Cambridge and RSA

Thursday 16 May 2019 – Afternoon

AS Level Further Mathematics B (MEI)

Y413/01 Modelling with Algorithms

Printed Answer Booklet

Time allowed: 1 hour 15 minutes



You must have:

- Question Paper Y413/01 (inserted)
- Formulae Further Mathematics B (MEI)

You may use:

- a scientific or graphical calculator



Please write clearly in black ink. **Do not write in the barcodes.**

Centre number

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Candidate number

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First name(s)

Last name

INSTRUCTIONS

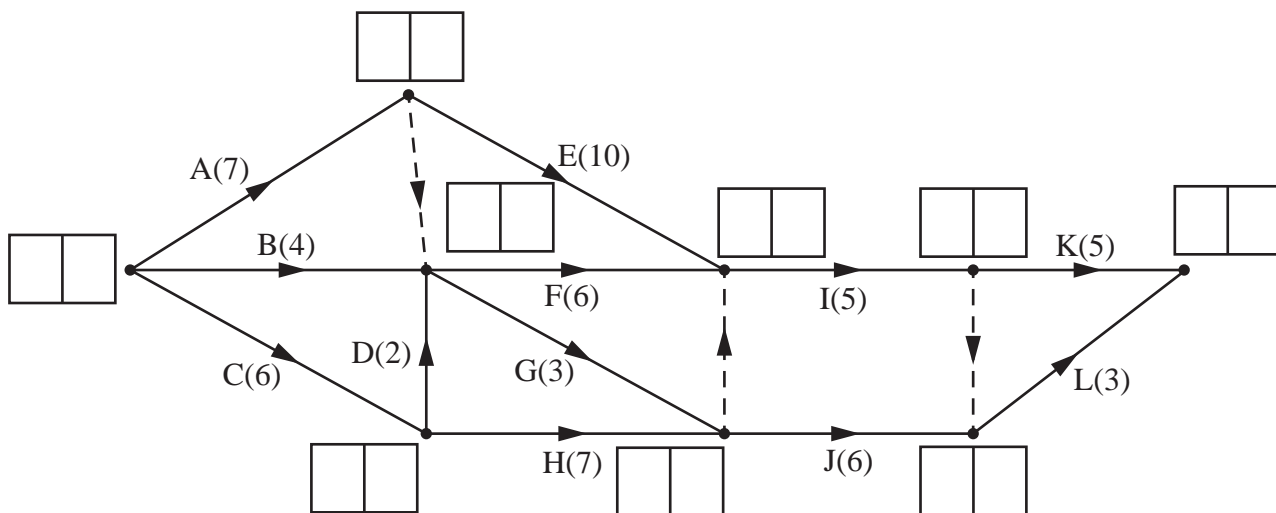
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- **Write your answer to each question in the space provided in the Printed Answer Booklet.** Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- 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

- 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 used. You should communicate your method with correct reasoning.
- The Printed Answer Booklet consists of **12** pages. The Question Paper consists of **8** pages.

1(a)	
1(b)	

2(c)(i)



2(c)(ii)

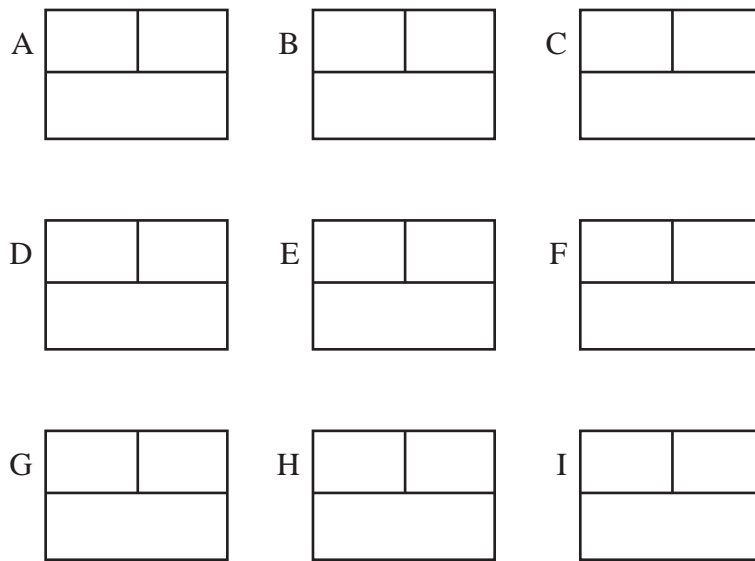
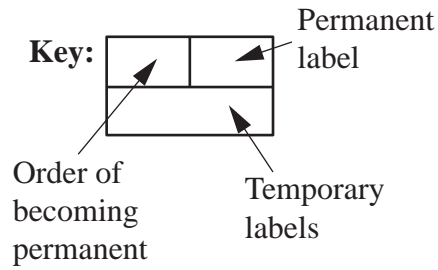
2(d)

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Person 1																
Person 2																
Person 3																

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Person 1																
Person 2																
Person 3																

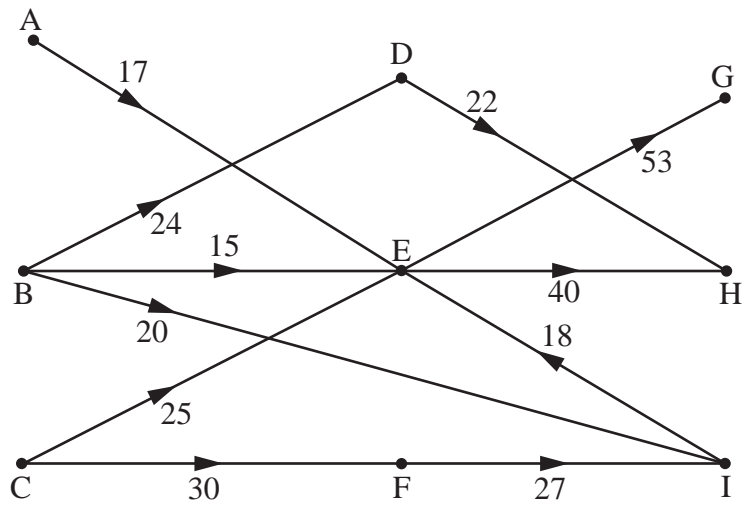
2(e)

3(b)



3(c)

4(a)



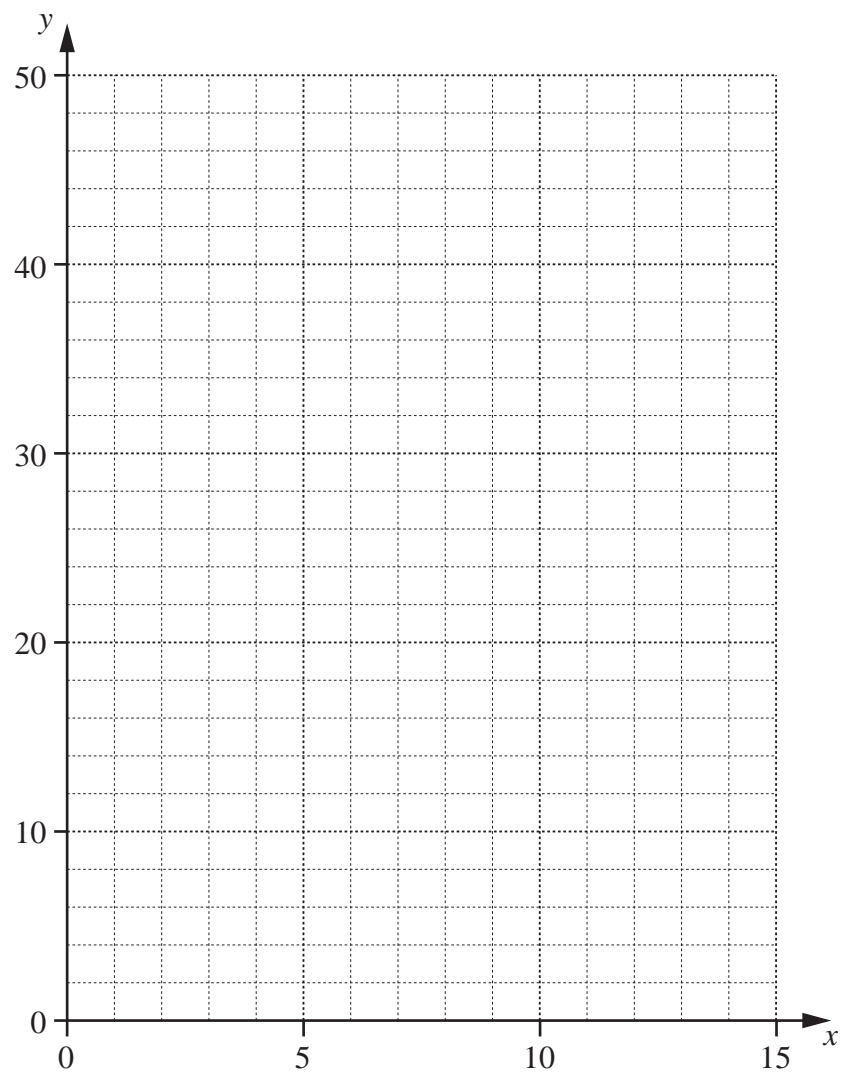
4(b)

4(c)(i)

4(c)(ii)

4(d)	
4(e)(i)	
4(e)(ii)	
4(f)(i)	
4(f)(ii)	

5(b)



(answer space continued on next page)

5(b)	(continued)