

Tuesday 18 June 2019 – Morning

A Level Further Mathematics B (MEI)

Y433/01 Modelling with Algorithms

Printed Answer Booklet

Time allowed: 1 hour 15 minutes

You must have:

- Question Paper Y433/01 (inserted)
- Formulae Further Mathematics B (MEI)

You may use:

· a scientific or graphical calculator



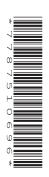
Please write clea	arly in bl	ack ink.	Do no	ot writ	te in the barcodes.		
Centre number					Candidate number		
First name(s)							
Last name							

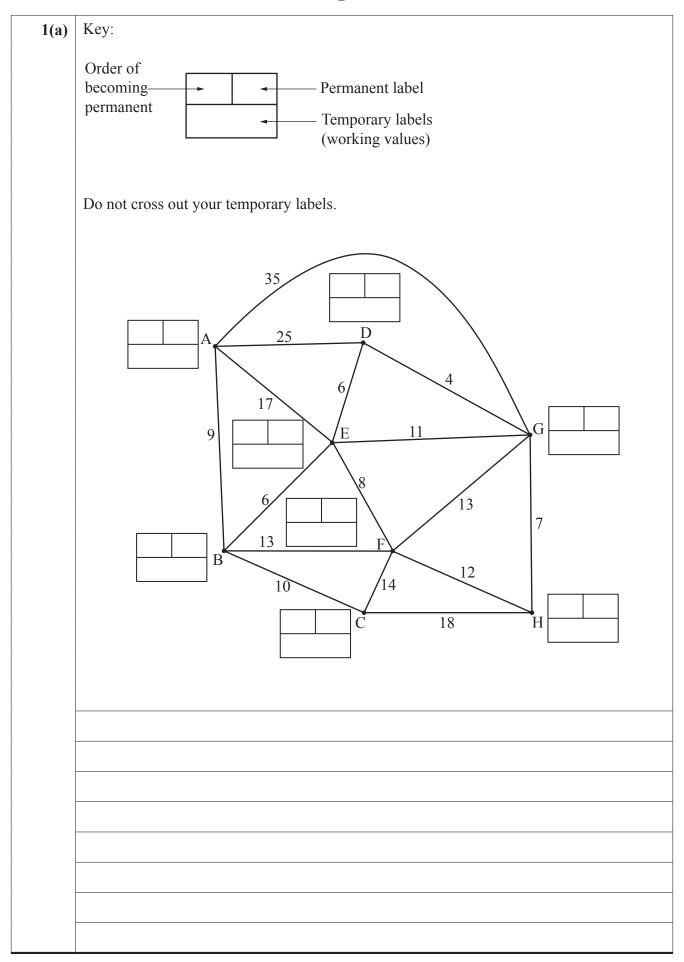
INSTRUCTIONS

- The Question Paper will be found inside the Printed Answer Booklet.
- 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 reminded of the need for clear presentation in your answers.
- The Printed Answer Booklet consists of 12 pages. The Question Paper consists of 12 pages.





1(b)	35	25	18	17	14	13	13	12	11	10	9	8	7	6	6	4
1(c)																

2(a) and (b)	
and (b)	

2(c)	Activity	Number of workers
	A	
	В	
	С	
	D	
	Е	
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	G	
	Н	
	Ι	
2(d)		

3(a)(i)	
3(a)(ii)	
3(b)	
3(c)	
0(0)	
	$A \longrightarrow E$
	$D \longrightarrow G$
	S B
	$C \xrightarrow{F}$

3(d)	
3(e)	

4(a)(i)	
4(a)(ii)	
4(b)(i)	
1(2)(1)	
4(b)(ii)	
4(D)(II)	
4()	
4(c)	
4(d)(i)	

4(d)(ii)	
4(e)	

5(a)	
5(b)	
5(b)	
5(c)	

P	х	у	Z	s_1	s_2	s_3	s_4	RHS	
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P	x	<i>y</i>		<i>s</i> ₁	<i>s</i> ₂	\$3	<i>S</i> ₄	RHS]
P	x	y	z	<i>s</i> ₁	s ₂	<i>s</i> ₃	<i>S</i> ₄	RHS	
P	x	y		<i>s</i> ₁	<i>s</i> ₂	<i>s</i> ₃	S ₄	RHS	

5(e)(i)	
5(e)(ii)	

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