

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS
AS GCE**

4736/01

MATHEMATICS

**Decision Mathematics 1
PRINTED ANSWER BOOK**

FRIDAY 25 JANUARY 2013: Afternoon

**DURATION: 1 hour 30 minutes
plus your additional time allowance
MODIFIED ENLARGED 24pt**

Candidate forename		Candidate surname	
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Centre number						Candidate number				
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Candidates answer on this Printed Answer Book.

OCR SUPPLIED MATERIALS:

**Question Paper 4736/01 (inserted)
List of Formulae (MF1)
Insert for Question 4(i), (ii), (iii)**

OTHER MATERIALS REQUIRED:

Scientific or graphical calculator

READ INSTRUCTIONS OVERLEAF

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.**

- 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 28 pages. The Question Paper consists of 16 pages. Any blank pages are indicated.

1 (i)	Comps Swaps		
	1st pass	_____	_____
	2nd pass	_____	_____
	3rd pass	_____	_____
	4th pass	_____	_____
	5th pass	_____	_____
	6th pass	_____	_____
	7th pass	_____	_____
	8th pass	_____	_____

1 (ii)	
1 (iii)	
	Box 1:
	Box 2:
	Box 3:
	Box 4:

2 (i)	(A)
	(B)

(C)

(D)

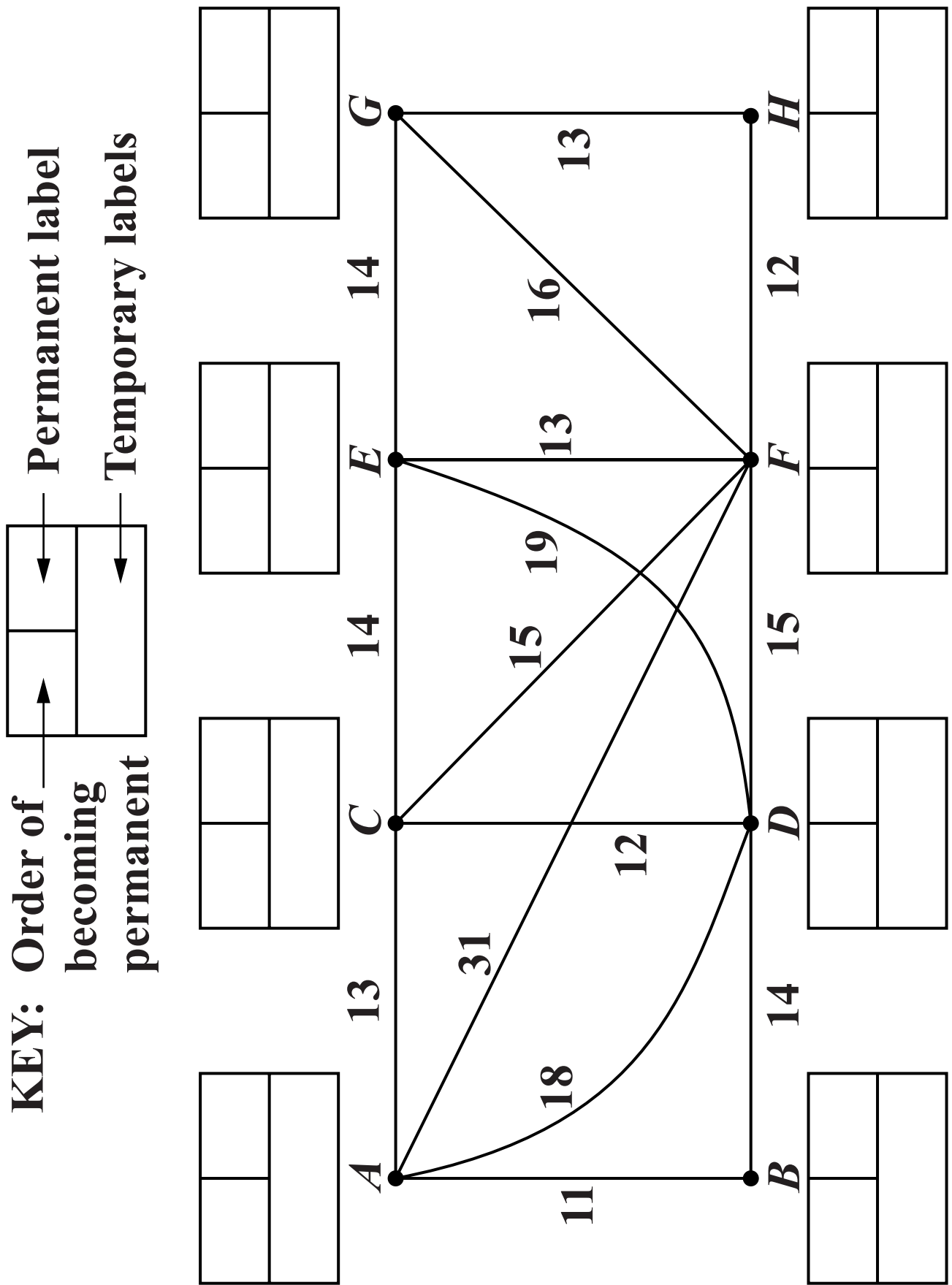
2 (ii) (1)	
2 (ii) (2)	
2 (ii) (3)	
2 (ii) (4)	

2 (ii) (5)	
2 (ii) (6)	
2 (iii) (a)	
2 (iii) (b)	

<p>2 (iv)</p>	
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<p>2 (iv) cont.</p>	
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3 (i) DO NOT CROSS OUT YOUR WORKING VALUES (TEMPORARY LABELS)



3 (i) cont.	

[illegible]

3 (iii)	

4 (i)	A copy of the table showing the expected time is provided separately.
	TOTAL WEIGHT:

4 (ii)	A copy of the table showing the expected time is provided separately.			
	A	B	C	D
			P	
	E		F	G
	Total weight _____			

4 (iii)	A copy of the table showing the expected time is provided separately.

4 (iv)	

5 (i)	
5 (ii)	

5 (iii)	

5 (iv)	

[illegible]

[illegible]

[illegible]

5 (vii)	

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