

Further Mathematics

Advanced

PAPER 4D: Decision Mathematics 2

Time: 1 hour 30 minutes

Answer Booklet

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

Read the instructions on the next page.

INSTRUCTIONS

Do not return the Question Paper with the Answer Booklet.

**THIS ANSWER BOOKLET MUST
BE RETURNED WITH THE DIAGRAM
BOOKLET AT THE END OF THE
EXAMINATION.**

Turn over

**1. Refer to Diagram 1 in the
Diagram Booklet.**

**Answer lines continue on the next
seven pages.**

Turn over

1. continued.

Turn over

1. continued.

Turn over

1. continued.

Turn over

1. continued.

Turn over

1. continued.

Turn over

1. continued.

Turn over

1. continued.

(Total for Question 1 is 7 marks)

2.

(continued on the next page)

Turn over

2. continued.

Turn over

2. continued.

Use the space below if you need to redraw your decision tree.

Answer space continues on the next page.

Turn over

2. continued.

(Total for Question 2 is 5 marks)

Turn over

**3. Refer to Diagram 2 in the
Diagram Booklet.**

**Answer lines continue on the next
page.**

(a)

3. (a) continued.

(continued on the next page)

Turn over

3. (b) You may not need to use all of these tables.

Answer lines and tables continue on the next fifteen pages.

	Q	R	S
A			
B			
C			
D			

Turn over

3. (b) continued.

(continued on the next page)

Turn over

3. (b) continued.

	Q	R	S
A			
B			
C			
D			

Turn over

3. (b) continued.

(continued on the next page)

Turn over

3. (b) continued.

	Q	R	S
A			
B			
C			
D			

Turn over

3. (b) continued.

(continued on the next page)

Turn over

3. (b) continued.

	Q	R	S
A			
B			
C			
D			

Turn over

3. (b) continued.

(continued on the next page)

Turn over

3. (b) continued.

	Q	R	S
A			
B			
C			
D			

Turn over

3. (b) continued.

(continued on the next page)

Turn over

3. (b) continued.

	Q	R	S
A			
B			
C			
D			

Turn over

3. (b) continued.

(continued on the next page)

Turn over

3. (b) continued.

	Q	R	S
A			
B			
C			
D			

Turn over

3. (b) continued.

(continued on the next page)

Turn over

3. (b) continued.

	Q	R	S
A			
B			
C			
D			

Turn over

3. (b) continued.

(Total for Question 3 is 9 marks)

Turn over

4. Refer to Diagram 3 in the Diagram Booklet.

You may not need to use all of these tables.

Answer lines and tables continue on the next nineteen pages.

	1	2	3	4
A				
B				
C				
D				

Turn over

4. continued.

Turn over

4. continued.

	1	2	3	4
A				
B				
C				
D				

4. continued.

Turn over

4. continued.

	1	2	3	4
A				
B				
C				
D				

Turn over

4. continued.

Turn over

4. continued.

	1	2	3	4
A				
B				
C				
D				

Turn over

4. continued.

4. continued.

	1	2	3	4
A				
B				
C				
D				

Turn over

4. continued.

Turn over

4. continued.

	1	2	3	4
A				
B				
C				
D				

Turn over

4. continued.

Turn over

4. continued.

	1	2	3	4
A				
B				
C				
D				

Turn over

4. continued.

Turn over

4. continued.

	1	2	3	4
A				
B				
C				
D				

Turn over

4. continued.

4. continued.

	1	2	3	4
A				
B				
C				
D				

4. continued.

Turn over

4. continued.

	1	2	3	4
A				
B				
C				
D				

Turn over

4. continued.

(Total for Question 4 is 8 marks)

Turn over

5. Answer lines continue on the next eight pages.

Turn over

5. continued.

Turn over

5. continued.

Turn over

5. continued.

Turn over

5. continued.

Turn over

5. continued.

Turn over

5. continued.

Turn over

5. continued.

Turn over

5. continued.

(Total for Question 5 is 9 marks)

Turn over

**6. Refer to Diagram 4, Diagram 5,
Diagram 6 and Diagram 7 in the
Diagram Booklet.**

**Answer lines continue on the next
page.**

Turn over

6. continued.

(Total for Question 6 is 13 marks)

7. Answer lines continue on the next eight pages.

Turn over

7. continued.

Turn over

7. continued.

Turn over

7. continued.

Turn over

7. continued.

Turn over

7. continued.

Turn over

7. continued.

Turn over

7. continued.

Turn over

7. continued.

(Total for Question 7 is 8 marks)

Turn over

**8. Refer to Diagram 8 in the
Diagram Booklet.**

**Answer lines and tables are on the
next twenty-two pages.**

8. continued.

There is a spare copy of this table on page 95

b.v.											Value
P											

8. continued.

8. continued.

Turn over

8. continued.

8. continued.

Turn over

8. continued.

Turn over

8. continued.

Turn over

8. continued.

Turn over

8. continued.

Turn over

8. continued.

Turn over

8. continued.

Turn over

8. continued.

Turn over

8. continued.

Turn over

8. continued.

Turn over

8. continued.

Turn over

8. continued.

Turn over

8. continued.

Turn over

8. continued.

Turn over

8. continued.

Turn over

8. continued.

Turn over

8. continued.

(continued on the next page)

Turn over

8. continued.

Spare copy

b.v.									Value
P									

96

(Total for Question 8 is 17 marks)

TOTAL FOR PAPER IS 75 MARKS

END OF PAPER
