

Total Marks

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.**

1. Refer to Diagram 1 in the Diagram Booklet.

You may not need to use all of these tables.

Answer lines and tables continue on the next eight pages.

	1	2	3	4
A				
B				
C				
D				

1. continued.

	1	2	3	4
A				
B				
C				
D				

Turn over

1. continued.

	1	2	3	4
A				
B				
C				
D				

1. continued.

	1	2	3	4
A				
B				
C				
D				

Turn over

1. continued.

	1	2	3	4
A				
B				
C				
D				

1. continued.

	1	2	3	4
A				
B				
C				
D				

Turn over

1. continued.

	1	2	3	4
A				
B				
C				
D				

1. continued.

	1	2	3	4
A				
B				
C				
D				

1. continued.

	1	2	3	4
A				
B				
C				
D				

(Total for Question 1 is 6 marks)

Turn over

2. Answer lines continue on the next five pages.

[illegible]

Turn over

2. continued.

[illegible]

Turn over

2. continued.

[illegible]

Turn over

2. continued.

[illegible]

Turn over

2. continued.

[illegible]

Turn over

2. continued.

[illegible]

(Total for Question 2 is 4 marks)

Turn over

3. **Answer space and lines continue on the next four pages.**

3. continued.

3. continued.

3. continued.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

3. continued.

[illegible]

(Total for Question 3 is 7 marks)

4. Refer to Diagram 3 in the Diagram Booklet.

Answer lines continue on the next four pages.

4. continued.

[illegible]

Turn over

4. continued.

[illegible]

Turn over

4. continued.

[illegible]

Turn over

4. continued.

(Total for Question 4 is 9 marks)

5. Answer lines and tables continue on the next two pages.

[illegible]

5. continued.

[illegible]

Turn over

5. continued.

You may use this table for working if required.

	R	S	T	Supply
A				
B				
C				
D				
Demand				

(continued on the next page)

Turn over

5. continued.

(c) Answer lines and tables continue on the next four pages.

	R	S	T
A			
B			
C			
D			

Turn over

5. (c) continued.

	R	S	T
A			
B			
C			
D			

5. (c) continued.

	R	S	T
A			
B			
C			
D			

5. (c) continued.

	R	S	T
A			
B			
C			
D			

5. (c) continued.

	R	S	T
A			
B			
C			
D			

(Total for Question 5 is 9 marks)

Turn over

6. Refer to Diagram 4 and Diagram 5 in the Diagram Booklet.

There is a spare copy of this table on page 37

Month	Number made
January	
February	
March	
April	
May	

Minimum cost: _____

(continued on the next page)

6. continued.

Spare copy

Month	Number made
January	
February	
March	
April	
May	

(Total for Question 6 is 14 marks)

7. Refer to Diagram 7 in the Diagram Booklet.
The tableau for (d)(ii) can be found on
page 49

Answer lines continue on the next ten pages.

7. continued.

[illegible]

Turn over

7. continued.

[illegible]

Turn over

7. continued.

[illegible]

Turn over

7. continued.

[illegible]

Turn over

7. continued.

[illegible]

Turn over

7. continued.

[illegible]

Turn over

7. continued.

[illegible]

Turn over

7. continued.

[illegible]

Turn over

7. continued.

[illegible]

Turn over

7. continued.

(continued on the next page)

7. continued.

[illegible]

(continued on the next page)

7. continued.

50

Spare copy

b.v.																			Value
P																			

(Total for Question 7 is 17 marks)

8. Answer lines continue on the next eight pages.

[illegible]

8. continued.

[illegible]

Turn over

8. continued.

[illegible]

Turn over

8. continued.

[illegible]

Turn over

8. continued.

[illegible]

Turn over

8. continued.

[illegible]

Turn over

8. continued.

[illegible]

Turn over

8. continued.

[illegible]

Turn over

8. continued.

[illegible]

(Total for Question 8 is 9 marks)

TOTAL FOR PAPER IS 75 MARKS

END OF PAPER