

Paper Reference 9FM0/4D
Pearson Edexcel
Level 3 GCE

Total Marks

Further Mathematics
Advanced

PAPER 4D: Decision Mathematics 2

Monday 23 June 2025 – Afternoon
Time: 1 hour 30 minutes

Answer Booklet

THIS DOCUMENT MUST BE RETURNED TO PEARSON AT THE END OF THE EXAMINATION.
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In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

INSTRUCTIONS

Do not return the Question Paper with the Answer Booklet.

1. Refer to Diagram 1 in the Diagram Booklet.

Answer lines are on the next four pages.

1. continued

[illegible]

Turn over

1. continued

[illegible]

Turn over

1. continued.

[illegible]

Turn over

1. continued.

(Total for Question 1 is 3 marks)

2. Refer to Diagram 2 in the Diagram Booklet.

You may not need to use all of these tables or all the rows/columns in each table.

Answer lines and tables continue on the next nine pages.

(a)

2. continued.

	P	Q	R	S	
A					
B					
C					
D					
E					

Turn over

2. continued.

	P	Q	R	S	
A					
B					
C					
D					
E					

Turn over

2. continued.

	P	Q	R	S	
A					
B					
C					
D					
E					

Turn over

2. continued.

	P	Q	R	S	
A					
B					
C					
D					
E					

Turn over

2. continued.

	P	Q	R	S	
A					
B					
C					
D					
E					

Turn over

2. continued.

	P	Q	R	S	
A					
B					
C					
D					
E					

Turn over

2. continued.

	P	Q	R	S	
A					
B					
C					
D					
E					

Turn over

2. continued.

[illegible]

Turn over

2. continued.

(Total for Question 2 is 9 marks)

3. 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
six pages.

	P	Q	R
A			
B			
C			
D			

3. continued.

	P	Q	R
A			
B			
C			
D			

Turn over

3. continued.

	P	Q	R
A			
B			
C			
D			

Turn over

3. continued.

	P	Q	R
A			
B			
C			
D			

3. continued.

	P	Q	R
A			
B			
C			
D			

Turn over

3. continued.

[illegible]

Turn over

3. continued.

(Total for Question 3 is 10 marks)

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

Answer lines continue on the next three pages.

[illegible]

4. continued.

[illegible]

Turn over

4. continued.

[illegible]

Turn over

4. continued.

(Total for Question 4 is 11 marks)

5. Refer to Diagram 7 and Diagram 8 in the Diagram Booklet.

Minimum cost:

(Total for Question 5 is 13 marks)

6. Refer to Diagram 9 and Diagram 10 in the Diagram Booklet.

Answer lines and tables continue on the next twelve pages.

6. continued.

[illegible]

Turn over

6. continued.

[illegible]

Turn over

6. continued.

[illegible]

Turn over

6. continued.

[illegible]

Turn over

6. continued.

[illegible]

Turn over

6. continued.

(continued on the next page)

6. continued.

b.v.																			Value
P																			

(continued on the next page)

6. continued.

Spare copy

b.v.											Value
P											

(continued on the next page)

Turn over

6. continued.

[illegible]

Turn over

6. continued.

[illegible]

Turn over

6. continued.

[illegible]

Turn over

6. continued.

[illegible]

(Total for Question 6 is 15 marks)

Turn over

7. Answer lines continue on the next nine pages.

[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.

(Total for Question 7 is 14 marks)

TOTAL FOR PAPER IS 75 MARKS

END OF PAPER