

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

Total Marks

Further Mathematics
Advanced

Paper 3D: Decision Mathematics 1

Monday 24 June 2019 – Morning

Answer Book

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.

V61182A

INSTRUCTIONS

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

1.

2·1**1·7****3·0****1·9****3·2****1·2****3·3****1·4****1·5****0·2**

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

Turn over

1. continued.

2·1	1·7	3·0	1·9	3·2
1·2	3·3	1·4	1·5	0·2

1. continued.

2·1

1·7

3·0

1·9

3·2

1·2

3·3

1·4

1·5

0·2

1. continued.

2·1

1·7

3·0

1·9

3·2

1·2

3·3

1·4

1·5

0·2

Turn over

1. continued.

2·1	1·7	3·0	1·9	3·2
1·2	3·3	1·4	1·5	0·2

1. continued.

2·1 1·7 3·0 1·9 3·2

1·2 3·3 1·4 1·5 0·2

Turn over

1. continued.

2·1 1·7 3·0 1·9 3·2

1·2 3·3 1·4 1·5 0·2

Turn over

1. continued.

2·1 1·7 3·0 1·9 3·2

1·2 3·3 1·4 1·5 0·2

1. continued.

2·1 1·7 3·0 1·9 3·2

1·2 3·3 1·4 1·5 0·2

(Total for Question 1 is 8 marks)

Turn over

2. Refer to Diagram 1 and Diagram 2 in the Diagram Book.

Answer lines continue on the next eleven pages.

2. continued.

Turn over

2. continued.

Turn over

2. continued.

Turn over

2. continued.

Turn over

2. continued.

Turn over

2. continued.

Turn over

2. continued.

Turn over

2. continued.

Turn over

2. continued.

Turn over

2. continued.

Turn over

2. continued.

[illegible]

(Total for Question 2 is 14 marks)

Turn over

**3. Refer to Diagram 3, Diagram 4,
Diagram 5 and Diagram 6 in the
Diagram Book.**

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

3. continued.

Turn over

3. continued.

Turn over

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.

Turn over

3. continued.

[illegible]

Turn over

3. continued.

Turn over

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.

Turn over

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.

Turn over

3. continued.

(Total for Question 3 is 14 marks)

4. Refer to Diagram 7 and Diagram 8 in the Diagram Book.

Answer lines continue on the next five pages.

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

(Total for Question 4 is 9 marks)

**5. Refer to Diagram 9 in the
Diagram Book.**

It shows a precedence table.

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

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 6 marks)

Turn over

**6. Refer to Diagram 10 and Diagram 11
in the Diagram Book.**

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

6. continued.

Turn over

6. continued.

Turn over

6. continued.

Turn over

6. continued.

Turn over

6. continued.

Turn over

6. continued.

Turn over

6. continued.

Turn over

6. continued.

Turn over

6. continued.

Turn over

6. continued.

Turn over

6. continued.

Turn over

6. continued.

Turn over

6. continued.

Turn over

6. continued.

Turn over

6. continued.

(Total for Question 6 is 12 marks)

**7. Refer to Diagram 12 in the
Diagram Book.**

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

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.

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 12 marks)

TOTAL FOR PAPER IS 75 MARKS

END OF PAPER
