

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.

INSTRUCTIONS

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

Turn over

3

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 six pages.

[illegible]

Turn over

4

1. continued.

2.1

1.7

3.0

1.9

3 · 2

1.2

3 · 3

1.4

1.5

0.2

Turn over

5

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

7

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

(Total for Question 1 is 8 marks)

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

Answer lines continue on the next eight pages.

[illegible]

2. 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

2. continued.

[illegible]

Turn over

2. continued.

[illegible]

Turn over

2. continued.

[illegible]

Turn over

2. continued.

[illegible]

Turn over

2. 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

2. 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

2. continued.

(Total for Question 2 is 14 marks)

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

Answer lines continue on the next five pages.

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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.

[illegible]

Turn over

3. continued.

[illegible]

Turn over

3. continued.

[illegible]

(Total for Question 3 is 14 marks)

Turn over

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

Answer lines continue on the next three pages.

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.

4. continued.

[illegible]

Turn over

4. 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

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 five pages.

5. continued.

Turn over

5. continued.

5. continued.

[illegible]

Turn over

5. continued.

[illegible]

Turn over

5. continued.

(Total for Question 5 is 6 marks)

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

Answer lines continue on the next ten pages.

6. 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

6. continued.

[illegible]

Turn over

6. continued.

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Turn over

6. continued.

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Turn over

6. 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

6. 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

6. 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

6. 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

6. continued.

[illegible]

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 eight pages.

7. continued.

[illegible]

Turn over

7. continued.

[illegible]

Turn over

7. 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

7. continued.

[illegible]

Turn over

7. continued.

[illegible]

Turn over

7. continued.

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Turn over

7. 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

7. 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.

(Total for Question 7 is 12 marks)

TOTAL FOR PAPER IS 75 MARKS

END OF PAPER