

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

Total Marks

Further Mathematics

Advanced

PAPER 3D: Decision Mathematics 1

Friday 21 June 2024 – Afternoon

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.

Y75688A



Pearson

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

3

1. 17 8 16 12 24 19
 23 11 20 13 4

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

Turn over

1. continued.

17	8	16	12	24	19
23	11	20	13	4	

Turn over

1. continued.

17	8	16	12	24	19
23	11	20	13	4	

Turn over

1. continued.

17	8	16	12	24	19
23	11	20	13	4	

Turn over

1. continued.

17	8	16	12	24	19
23	11	20	13	4	

Turn over

1. continued.

17	8	16	12	24	19
23	11	20	13	4	

Turn over

1. continued.

17	8	16	12	24	19
23	11	20	13	4	

Turn over

10

1. continued.

17	8	16	12	24	19
23	11	20	13	4	

Turn over

1. continued.

17	8	16	12	24	19
23	11	20	13	4	

Turn over

12

1. continued.

17	8	16	12	24	19
23	11	20	13	4	

(Total for Question 1 is 7 marks)

Turn over

- 2. Refer to Diagram 1 and Diagram 2 in the Diagram Booklet.**

Answer lines continue on the next eight pages.

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.

(Total for Question 2 is 13 marks)

Turn over

3. Refer to Diagram 3 and Diagram 4 in the Diagram Booklet.

Answer lines continue on the next eight pages.

Turn over

3. continued.

Turn over

3. continued.

Turn over

3. continued.

Turn over

3. continued.

Turn over

3. continued.

Turn over

3. continued.

Turn over

3. continued.

Turn over

3. continued.

(Total for Question 3 is 13 marks)

Turn over

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

Answer lines continue on the next twelve pages.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

(Total for Question 4 is 8 marks)

Turn over

- 5. Refer to Diagram 7 in the Diagram Booklet.**

Answer lines and tables continue on the next ten pages.

Turn over

5. continued.

Turn over

5. continued.

Turn over

5. continued.

Turn over

5. continued.

(continued on the next page)

Turn over

5. continued.

b.v.	x	y							Value
P									

(continued on the next page)

Turn over

5. continued.

Spare copy

b.v.	x	y							Value
P									

(continued on the next page)

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 8 and Diagram 9 in the Diagram Booklet.**

Answer space and lines continue on the next seven 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.

(Total for Question 6 is 11 marks)

Turn over

7. Refer to Diagram 10 and Diagram 11 in the Diagram Booklet.

Answer lines and tables continue on the next thirteen 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.

(continued on the next page)

Turn over

7. continued.

b.v.	x	y	z	s ₁	s ₂	s ₃	Value	Row Ops
P								

(continued on the next page)

Turn over

7. continued.

Spare copy

b.v.	x	y	z	s ₁	s ₂	s ₃	Value	Row Ops
P								

(continued on the next page)

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 14 marks)

TOTAL FOR PAPER IS 75 MARKS

END OF PAPER
