

Further Mathematics

Advanced Subsidiary

Further Mathematics options

27: Decision Mathematics 1

(Part of options D, F, H and K)

Thursday 17 May 2018 – Afternoon

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

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

Answer lines continue on the next four pages.

1. continued.

1. continued.

Turn over

Turn over

1. continued.

(Total 9 marks)

2.

Minimum number of arcs:

Maximum number of arcs:

(continued on the next page)

Turn over

2. continued.

**(b) (i) Answer space and lines
continue on the next fifteen
pages.**

Turn over

2. (b) (i) continued.

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.

Turn over

2. continued.

Turn over

2. continued.

Turn over

2. continued.

(Total 10 marks)

**3. Refer to Table 1, Diagram 3 and
Diagram 4 in the Diagram Book.**

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

3. continued.

Turn over

3. continued.

Turn over

3. continued.

Turn over

3. continued.

Turn over

3. continued.

Turn over

3. continued.

(Total 10 marks)

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

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

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 11 marks)

**TOTAL FOR DECISION MATHEMATICS 1
IS 40 MARKS**

END OF PAPER
