

Please check the examination details below before entering your candidate information

Candidate surname

Other names

Centre Number

Candidate Number

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Pearson Edexcel Level 3 GCE

Friday 16 May 2025

Afternoon

**Paper
reference**

8FM0/27

Further Mathematics

Advanced Subsidiary

Further Mathematics options

27: Decision Mathematics 1

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

D1 Answer Book

Do not return the question paper with the answer book.

Total Marks

Turn over ►

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Pearson

1

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2



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2.

(a)



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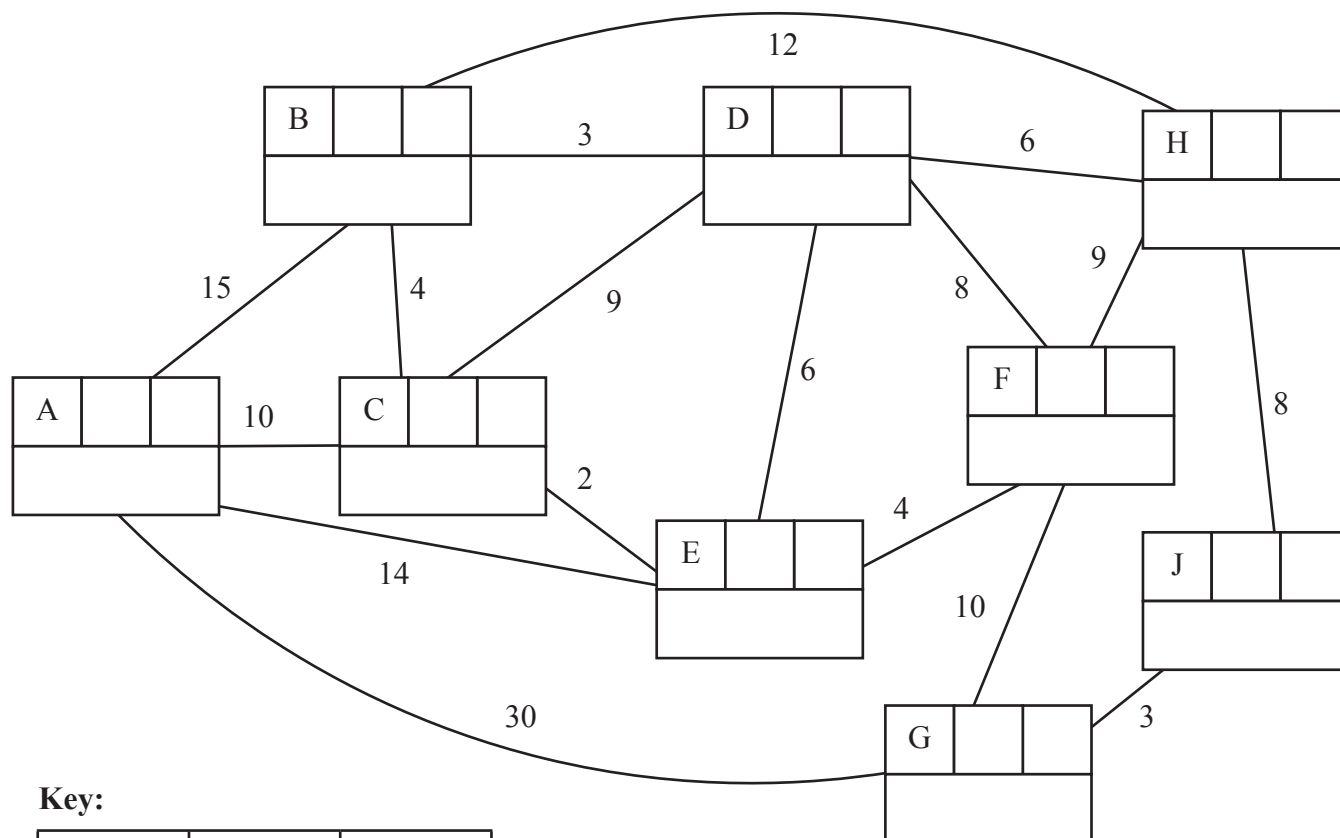
Question 2 continued

(Total for Question 2 is 8 marks)



3.

(a)

**Key:**

Vertex	Order of labelling	Final value
Working values		

Quickest path _____

Shortest time _____



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Question 3 continued

Lined area for writing the answer to Question 3.



Question 3 continued

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Question 3 continued

Lined area for writing answers.

(Total for Question 3 is 14 marks)



4.

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Diagram 1

Question 4 continued

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(Total for Question 4 is 11 marks)

TOTAL FOR DECISION MATHEMATICS 1 IS 40 MARKS

