

Please check the examination details below before entering your candidate information

Candidate surname

Other names

Pearson Edexcel
Level 3 GCE

Centre Number

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Candidate Number

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Mock Paper Set 1

(Time: 1 hour 30 minutes)

Paper Reference **9FM0/3D**

Further Mathematics

Advanced

Paper 3D: Decision Mathematics 1

Answer book

Do not return the question paper with the answer book.

Total Marks

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Turn over ►

S61309A

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1/1/1/1/




Pearson

4.

Distance table

	A	B	C	D
A	–	1	2	4
B	1	–	4	2
C	2	4	–	3
D	6	8	5	–

Route table

	A	B	C	D
A	A	B	C	D
B	A	B	C	D
C	A	B	C	D
D	A	B	C	D

(a)

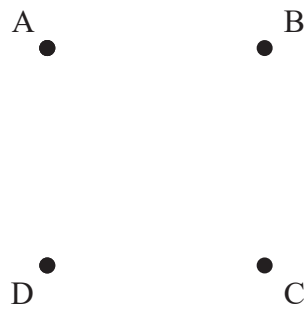


Diagram 1

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



(b) Distance table

	A	B	C	D
A				
B				
C				
D				

Route table

	A	B	C	D
A				
B				
C				
D				

Distance table

	A	B	C	D
A				
B				
C				
D				

Route table

	A	B	C	D
A				
B				
C				
D				

Distance table

	A	B	C	D
A				
B				
C				
D				

Route table

	A	B	C	D
A				
B				
C				
D				

Distance table

	A	B	C	D
A				
B				
C				
D				

Route table

	A	B	C	D
A				
B				
C				
D				

(Total for Question 4 is 8 marks)



DO NOT WRITE IN THIS AREA

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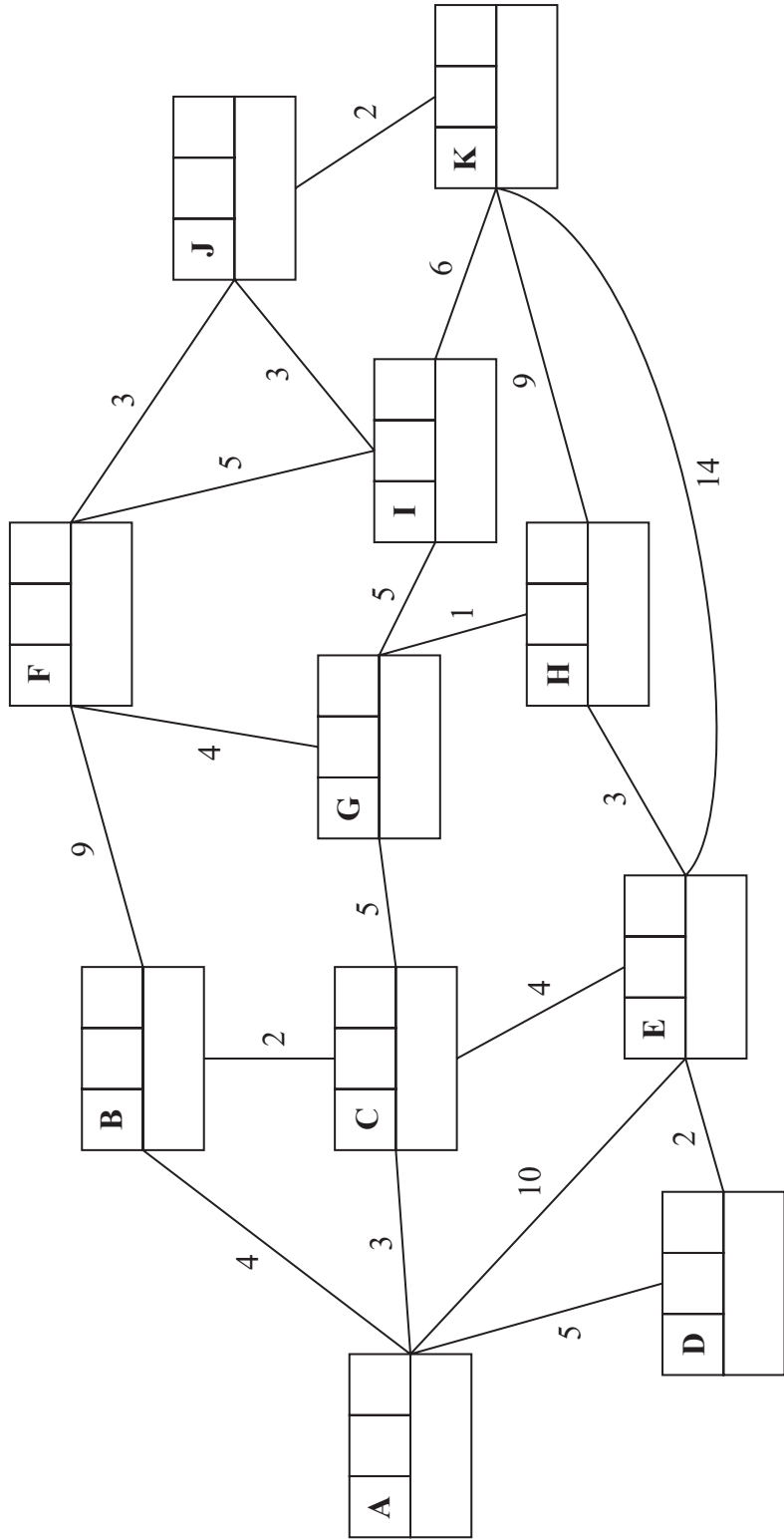
DO NOT WRITE IN THIS AREA

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5.



Key:

Vertex	Order of labelling	Final value
Working values		

Minimum time for Lola's route:

Route Lola should take:

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



7.

Lined writing area for answer 7.

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

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DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



8.

Activity	A	B	C	D	E	F	G	H	I	J	K
Immediately preceding activities	-	-	-	A	B	C	C	D	D, E, F	G, I	G, I

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