

(Question 1 continued)

Handwriting practice lines for Question 1.

Leave
blank

Q1

Mark box for Q1.

(Total 9 marks)



Leave
blank

2.

	A	B	C	D	E	F
A	-	24	-	-	23	22
B	24	-	18	19	17	20
C	-	18	-	11	14	-
D	-	19	11	-	13	-
E	23	17	14	13	-	21
F	22	20	-	-	21	-

(a)



Diagram 1



Leave
blank

- **F**

- **E**

- **D**

Q2

Q2	
----	--

5

N 3 1 4 8 1 A 0 5 2 0



3. (a)	Leave blank
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(b)

Q3

7

N 3 1 4 8 1 A 0 7 2 0

Leave
blank

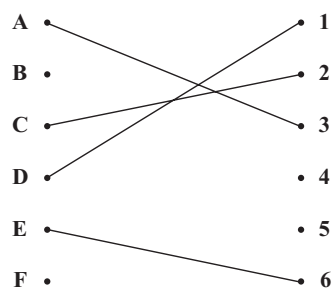


Figure 1

Figure 2



Q4

(Total 8 marks)



Turn over



Leave
blank

(The total weight of the network in Figure 3 is 543 km.)

Q5

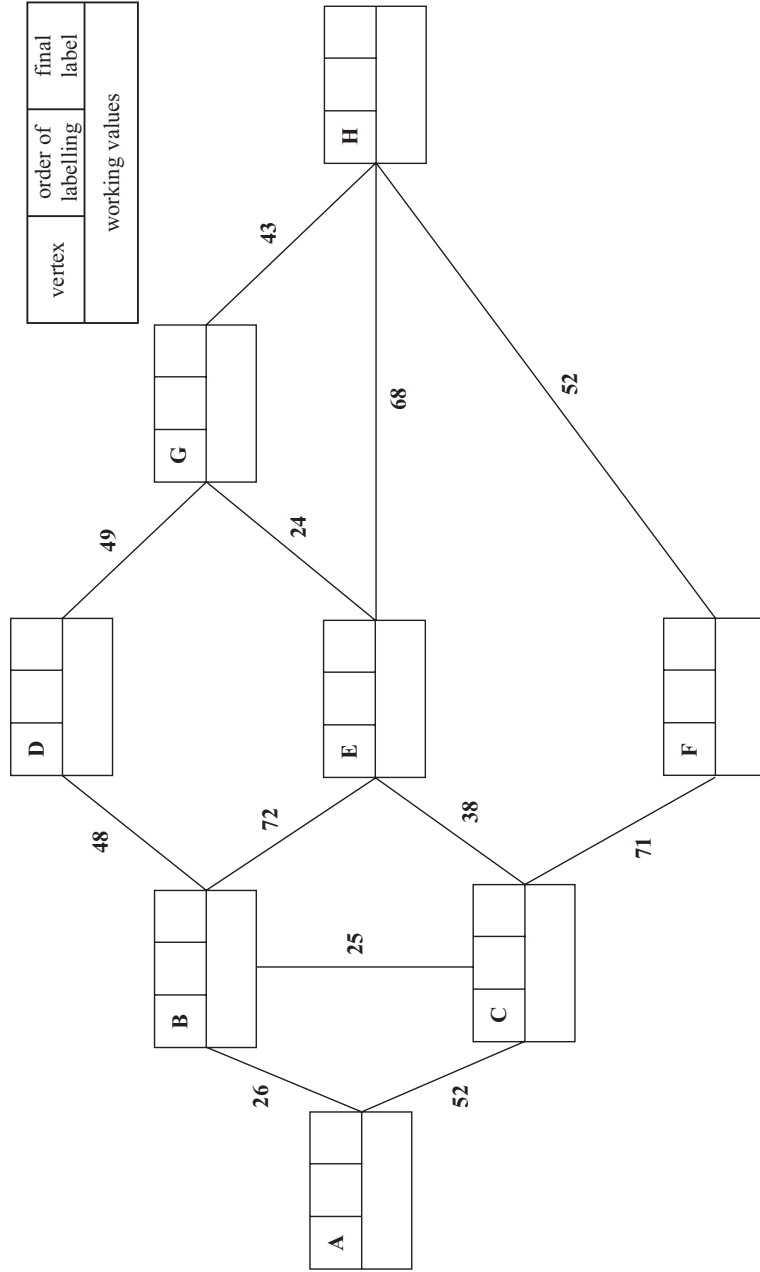
1

Turn over





6. (a)



vertex	order of labelling	final label
working values		

Leave blank

(Question 6 continued) shortest route: _____ length: _____ (b) _____ _____ _____ _____ _____ _____ _____ shortest route (avoiding C): _____ length: _____	Leave blank

(Total 7 marks)

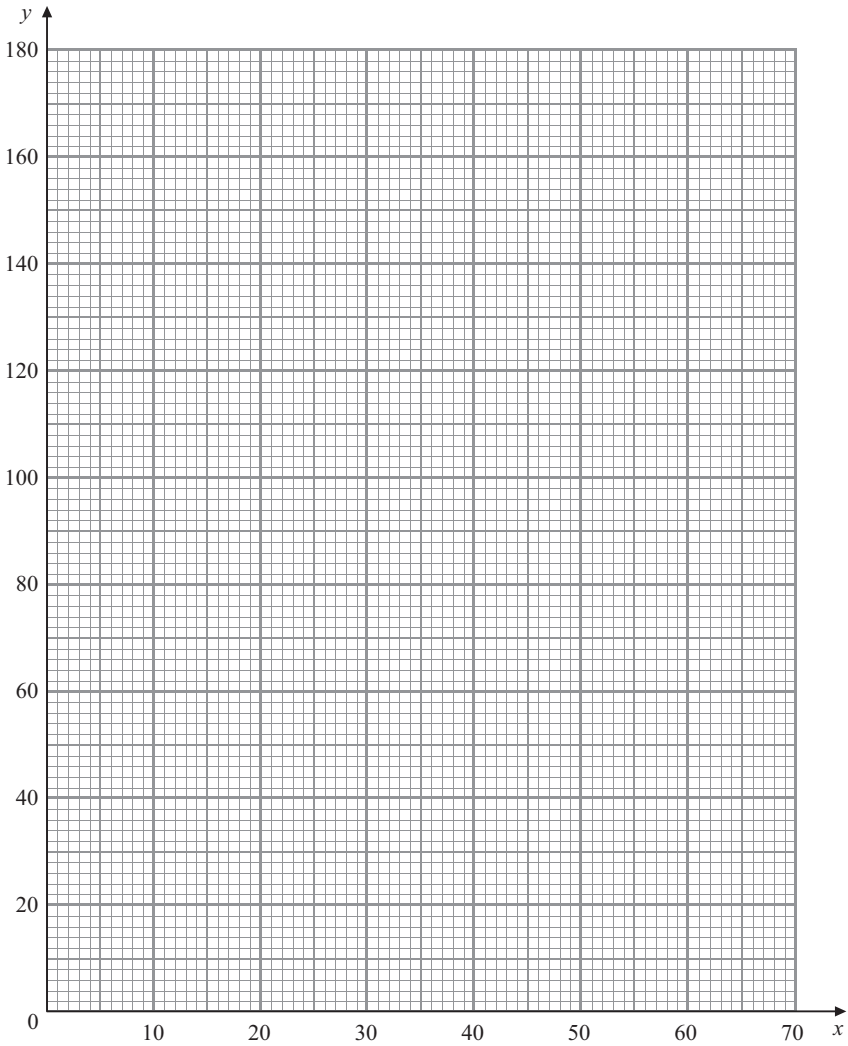
Q6





Leave
blank

7.





(Question 7 continued)

Handwriting practice lines for Question 7.

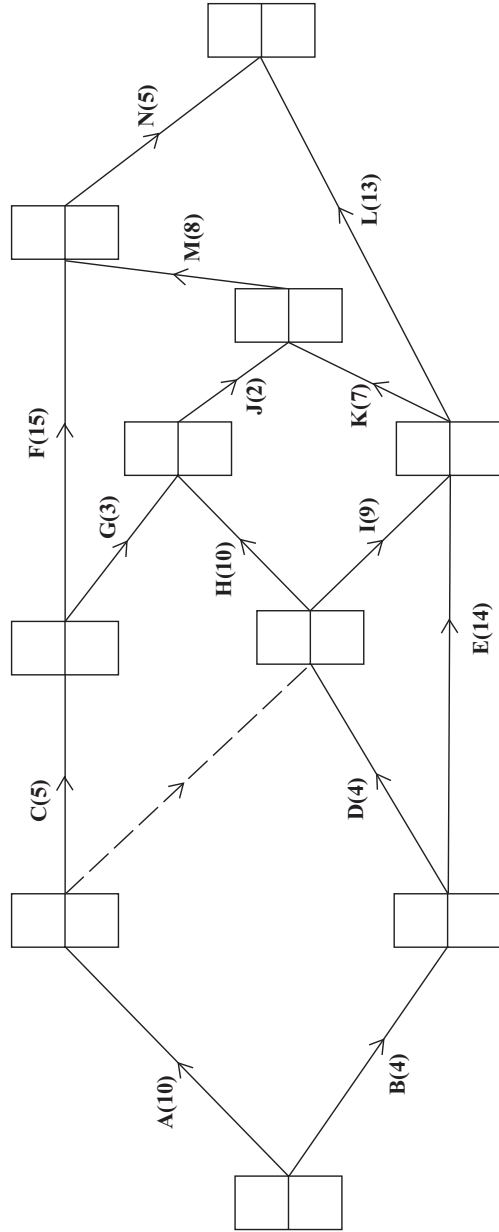
Leave
blank

Q7

(Total 12 marks)



8. (a)



(b) Critical activities:

Length of critical path:

(c) Total float on activity F:

Total float on activity G:

Leave
blank



(Question 8 continued)

(d)

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44

Ⓢ

(Total 16 marks)

END

TOTAL FOR PAPER: 75 MARKS

Q8

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