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Surname	Other names

Pearson Edexcel
International Advanced Level

Centre Number | Candidate Number

Decision Mathematics D1

Advanced/Advanced Subsidiary

Tuesday 9 June 2015 – Morning
Time: 1 hour 30 minutes

Paper Reference
WDM01/01

Answer Book
Do not return the question paper with the answer book.

Total Marks

Turn over

P44852A

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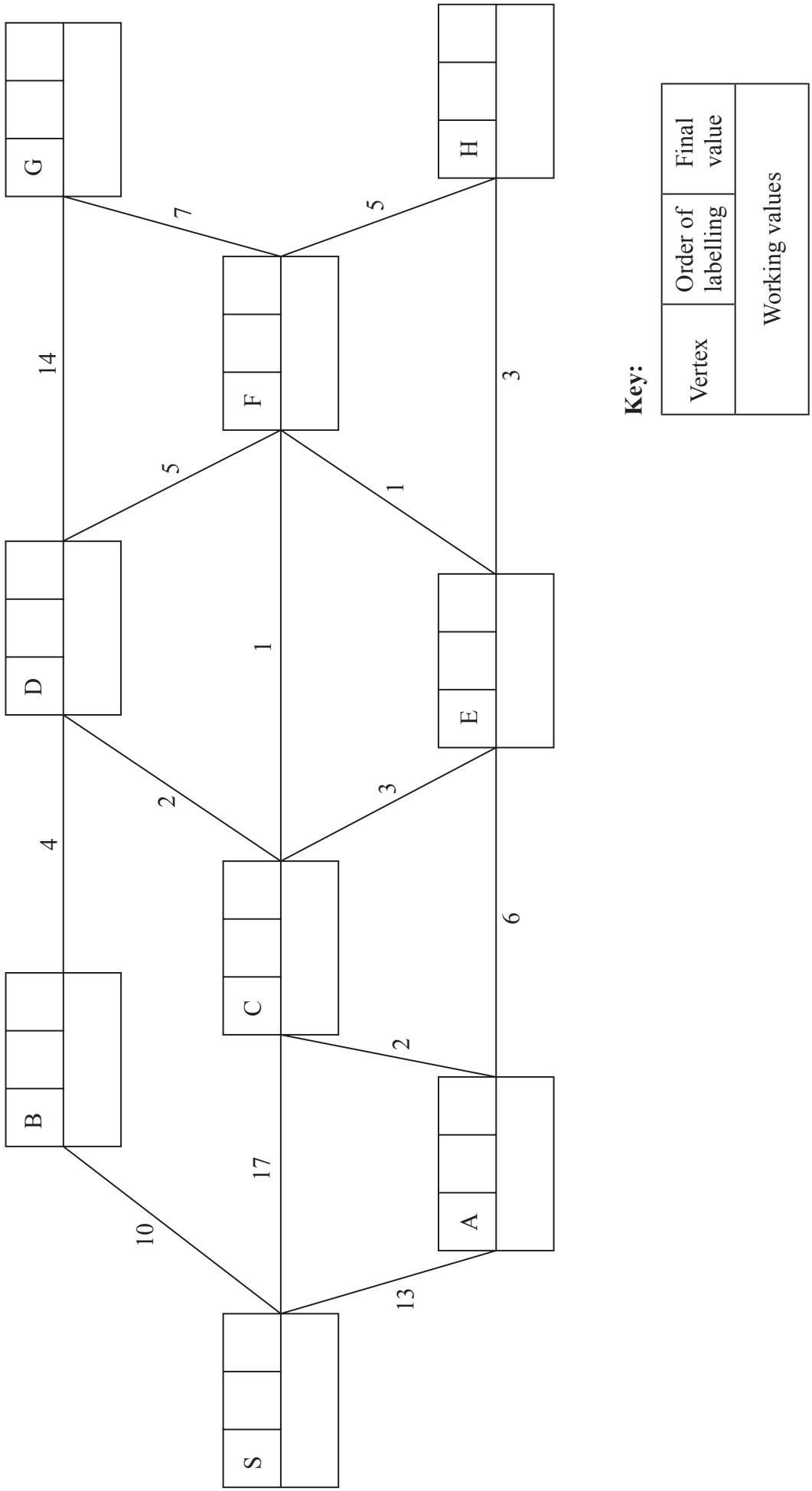
5/1/1/1/1/

P 4 4 8 5 2 A 0 1 2 0

PEARSON

Leave blank

1.



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Leave blank

Question 1 continued

(a) Shortest distance from S to G: _____

Shortest route from S to G: _____

(b) Shortest distance from S to H: _____

Shortest route from S to H: _____

Q1

(Total 8 marks)

Turn over

P 4 4 8 5 2 A 0 3 2 0

Leave blank

2.

Leave blank

Question 2 continued

11 9 4 13 5 1 7 12 8

Leave blank

3.

Leave blank

Question 3 continued

(e)

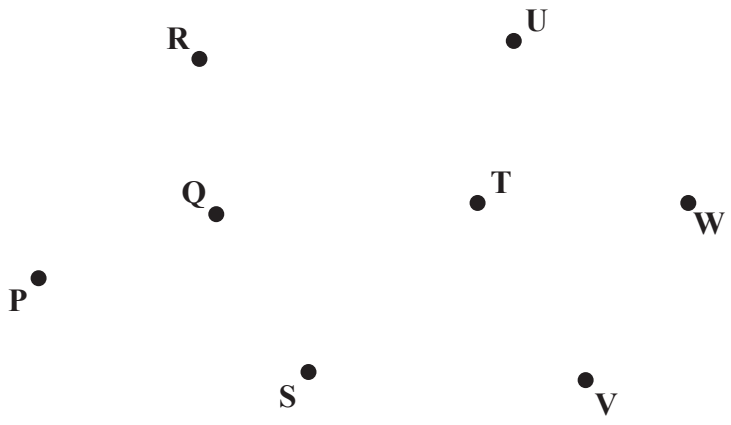

Diagram 1

Q3

(Total 12 marks)

Leave blank

4. (a)

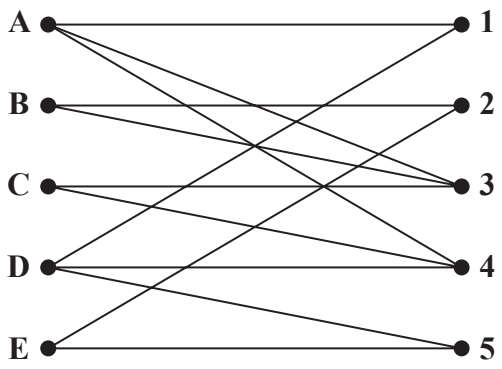

Figure 4

Leave blank

Question 4 continued

A ●	● **1**	**A** ●	● **1**
B ●	● **2**	**B** ●	● **2**
C ●	● **3**	**C** ●	● **3**
D ●	● **4**	**D** ●	● **4**
E ●	● **5**	**E** ●	● **5**

Q4

(Total 7 marks)

Leave blank

5.

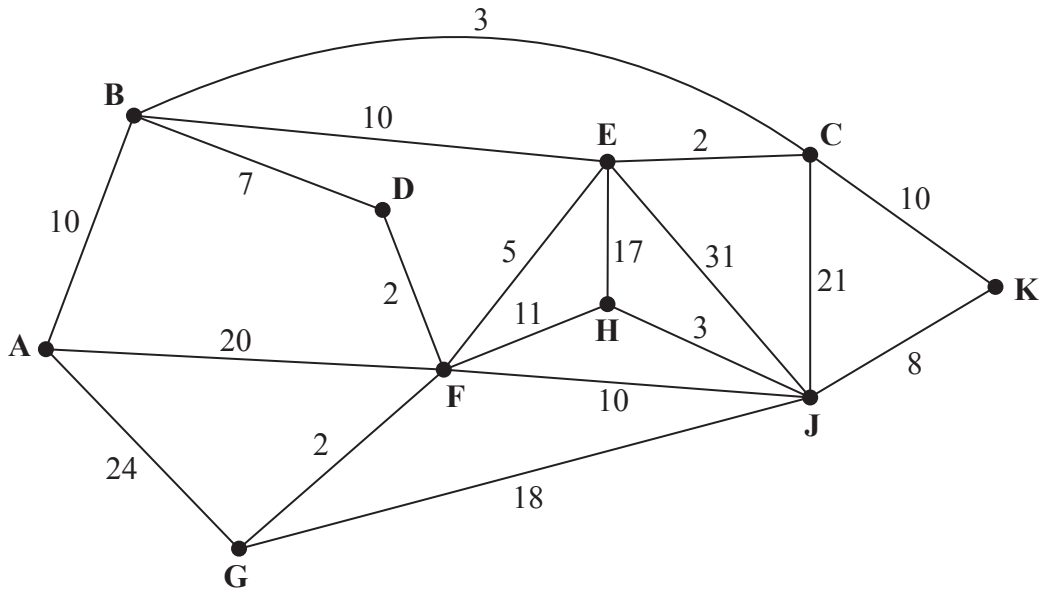

Figure 5

[*The total weight of the network is 214*]

P 4 4 8 5 2 A 0 1 2 2 0

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6. (a)

Activity	Immediately preceding activities
A	-
B	-
C	-
D	A
E	
F	

Activity	Immediately preceding activities
G	C
H	C
I	
J	G
K	G
L	

Activity	Immediately preceding activities
M	I
N	
P	
Q	
R	

(b)

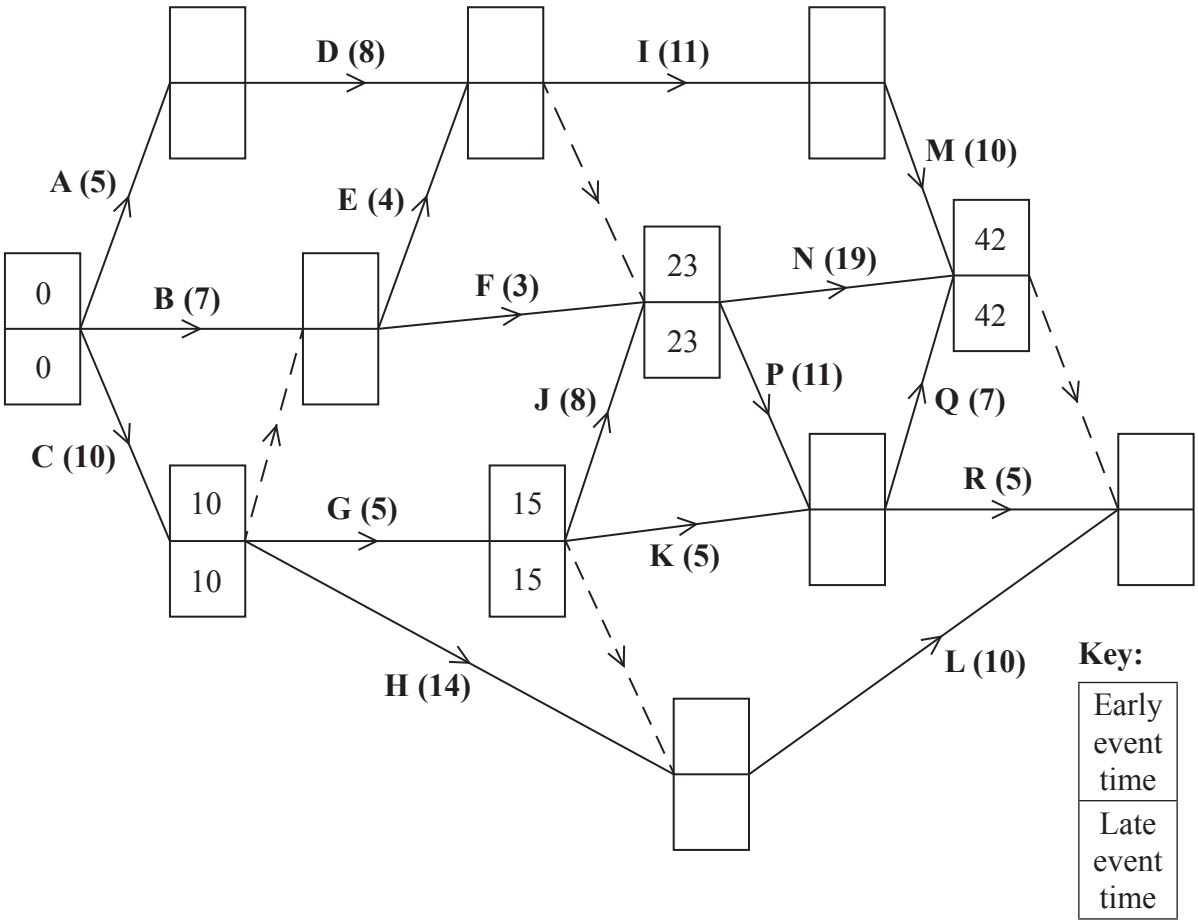

Diagram 1

P 4 4 8 5 2 A 0 1 4 2 0

Question 6 continued

(e)

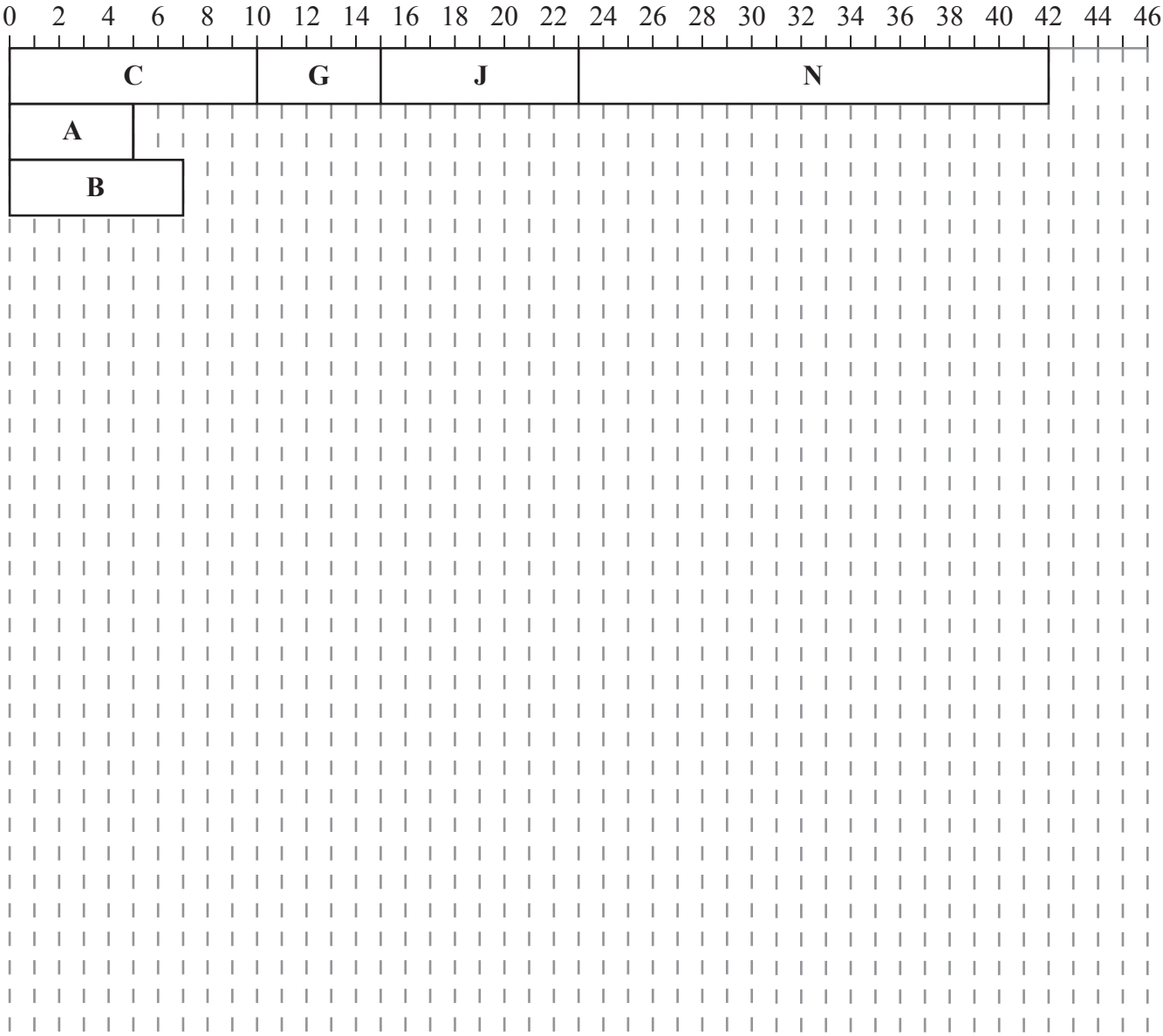

Diagram 2

Q6

(Total 12 marks)

Leave blank

7.

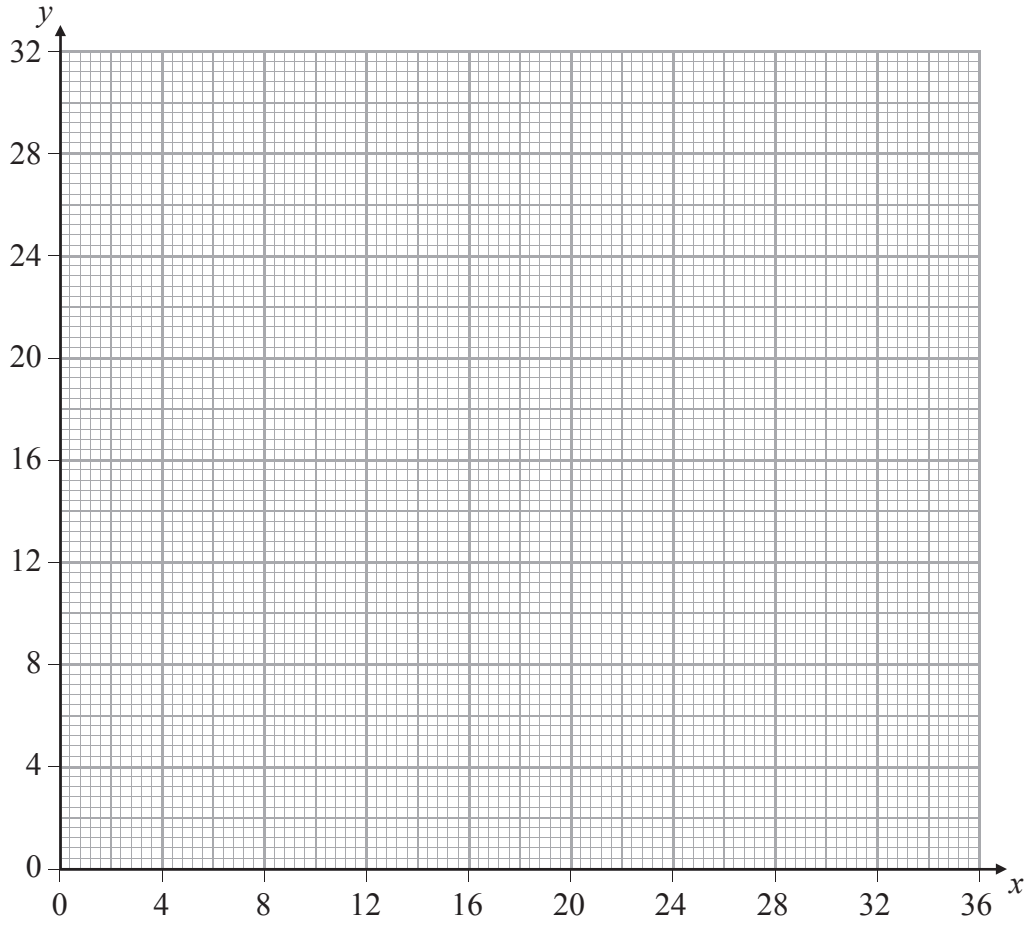

Diagram 1

Leave blank

Question 7 continued