

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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Tuesday 25 June 2019

Morning (Time: 1 hour 30 minutes)

Paper Reference **9FM0/4D**

Further Mathematics

Advanced

Paper 4D: Decision Mathematics 2

Answer Book

Do not return the question paper with the answer book

Total Marks

Turn over ►

P61186A

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Pearson

1.

	P	Q	R	S	Supply
A	15	14	17	11	23
B	10	9	16	12	42
C	11	13	8	10	18
D	15	13	16	17	19
Demand	25	45	12	20	

Table 1

	P	Q	R	S
A				
B				
C				
D				

	P	Q	R	S
A				
B				
C				
D				

	P	Q	R	S
A				
B				
C				
D				

	P	Q	R	S
A				
B				
C				
D				

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



Question 1 continued

	P	Q	R	S
A				
B				
C				
D				

	P	Q	R	S
A				
B				
C				
D				

	P	Q	R	S
A				
B				
C				
D				

	P	Q	R	S
A				
B				
C				
D				

	P	Q	R	S
A				
B				
C				
D				

(Total for Question 1 is 10 marks)



2.

	1	2	3	4
T	103	97	74	80
H	201	155	145	155
J	111	80	77	92
M	203	188	137	184

	1	2	3	4
T				
H				
J				
M				

	1	2	3	4
T				
H				
J				
M				

	1	2	3	4
T				
H				
J				
M				

	1	2	3	4
T				
H				
J				
M				

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



	1	2	3	4
T				
H				
J				
M				

(a) _____

(a) _____

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DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

4.

		Player B		
		Option X	Option Y	Option Z
Player A	Option P	3	-2	0
	Option Q	-4	4	-2
	Option R	1	2	-1

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DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



Question 4 continued

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



DO NOT WRITE IN THIS AREA

Question 4 continued

Lined area for writing answers.

(Total for Question 4 is 14 marks)



5.

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DO NOT WRITE IN THIS AREA



DO NOT WRITE IN THIS AREA

Question 5 continued

Lined area for writing the answer to Question 5.



Question 5 continued

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



DO NOT WRITE IN THIS AREA

Question 5 continued

Lined area for writing answers.

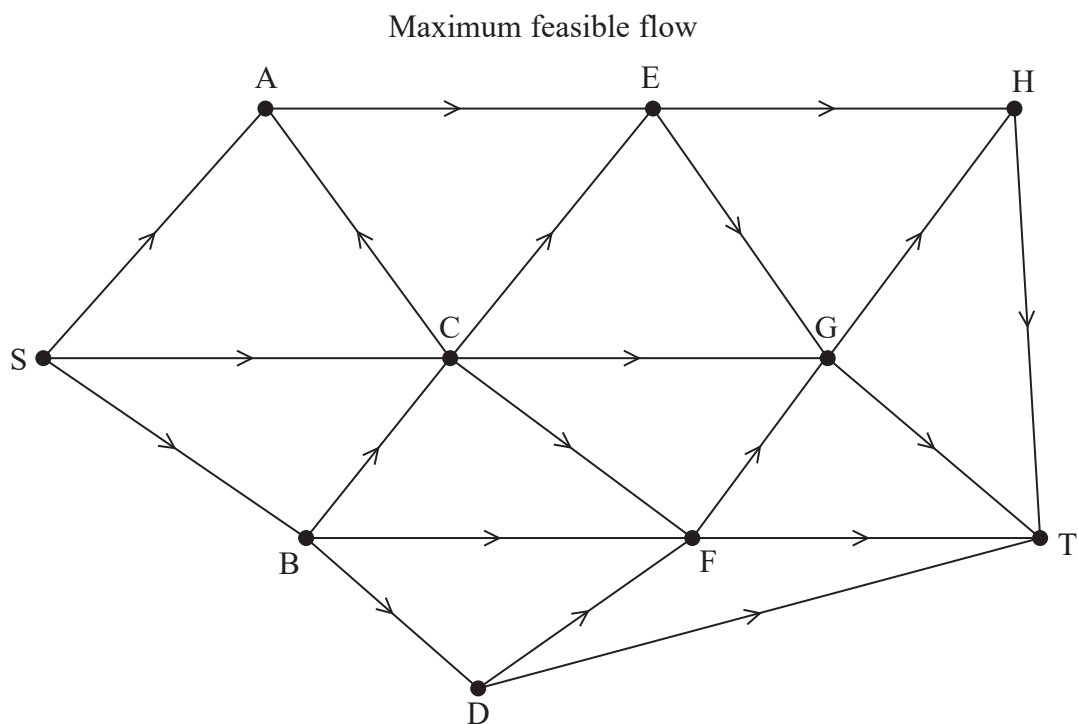
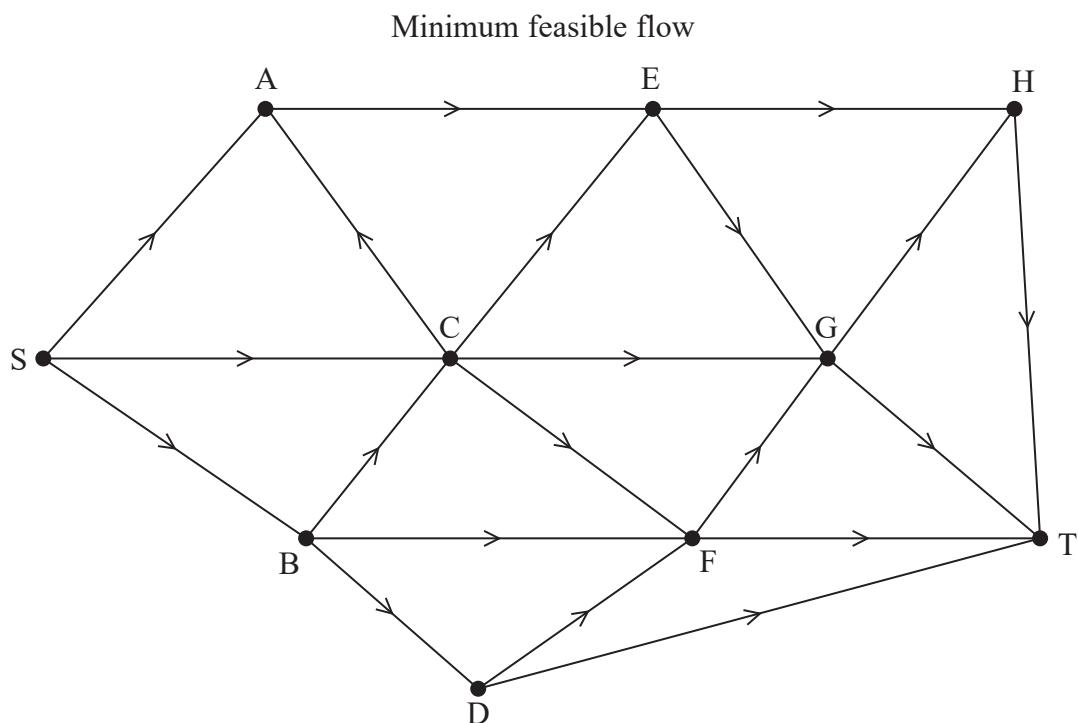
(Total for Question 5 is 11 marks)



6.

(a) (i) Capacity of cut $C_1 =$ _____(ii) Capacity of cut $C_2 =$ _____

Question 6 continued



(Total for Question 6 is 8 marks)



7.

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



DO NOT WRITE IN THIS AREA

Question 7 continued

Lined area for writing the answer to Question 7.



Question 7 continued

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

(Total for Question 7 is 12 marks)

TOTAL FOR PAPER IS 75 MARKS

