



1. (a) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(b)

	1	2	3	4
<b>Jess</b>	15	11	14	12
<b>Matt</b>	13	8	17	13
<b>Rachel</b>	14	9	13	15
<b>Dummy</b>				

**Table 1**

(c) *You may not need to use all of these tables*

	1	2	3	4
<b>J</b>				
<b>M</b>				
<b>R</b>				
<b>D</b>				

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

	1	2	3	4
<b>J</b>				
<b>M</b>				
<b>R</b>				
<b>D</b>				

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

	1	2	3	4
<b>J</b>				
<b>M</b>				
<b>R</b>				
<b>D</b>				

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
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(Question 1 continued)

	1	2	3	4
J				
M				
R				
D				

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	1	2	3	4
J				
M				
R				
D				

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	1	2	3	4
J				
M				
R				
D				

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	1	2	3	4
J				
M				
R				
D				

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Allocation      Jess does \_\_\_\_\_  
                          Matt does \_\_\_\_\_  
                          Rachel does \_\_\_\_\_

(d) Minimum cost: \_\_\_\_\_

(Total 9 marks)

Q1



2. (a)

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	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
<b>A</b>	-	77	34	56	67	21
<b>B</b>	77	-	58	58	36	74
<b>C</b>	34	58	-	73	70	42
<b>D</b>	56	58	73	-	68	38
<b>E</b>	67	36	70	68	-	71
<b>F</b>	21	74	42	38	71	-

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5. (a)  $x =$  \_\_\_\_\_  
 $y =$  \_\_\_\_\_  
 $z =$  \_\_\_\_\_

(b) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Total 4 marks)

Q5



6. (a) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(b)

	<b>A</b>	<b>B</b>	<b>C</b>
<b>X</b>			
<b>Y</b>			
<b>Z</b>			

*You may not need to use all of these tables*

	<b>A</b>	<b>B</b>	<b>C</b>
<b>X</b>			
<b>Y</b>			
<b>Z</b>			

	<b>A</b>	<b>B</b>	<b>C</b>
<b>X</b>			
<b>Y</b>			
<b>Z</b>			

	<b>A</b>	<b>B</b>	<b>C</b>
<b>X</b>			
<b>Y</b>			
<b>Z</b>			

	<b>A</b>	<b>B</b>	<b>C</b>
<b>X</b>			
<b>Y</b>			
<b>Z</b>			

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(Question 6 continued)

	A	B	C
X			
Y			
Z			

	A	B	C
X			
Y			
Z			

	A	B	C
X			
Y			
Z			

	A	B	C
X			
Y			
Z			

	A	B	C
X			
Y			
Z			

	A	B	C
X			
Y			
Z			

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(Total 12 marks)

Q6

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7. (a)

Stage	State (in £1000s)	Action (in £1000s)	Destination (in £1000s)	Value (in £1000s)
1	250	250	0	300 *
	200	200	0	240 *
	150	150	0	180 *
	100	100	0	120 *
	50	50	0	60 *
	0	0	0	0 *
2	250	250	0	$280 + 0 = 280$
		200	50	$235 + 60 = 295$
		150	100	
		100	150	
		50	200	
		0	250	
	200	200	0	
		150	50	
		100		
		50		
	150	0		
		150		
		100		
		50		
	100	0		
		0		
0				
0				



(Question 7 continued)

Stage	State (in £1000s)	Action (in £1000s)	Destination (in £1000s)	Value (in £1000s)

Maximum income: \_\_\_\_\_

Scheme	1	2	3
Amount to be invested (in £1000s)			

(b) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(Total 13 marks)

Q7





