Paper Reference(s)

6690

Edexcel GCE Decision Mathematics D2

Advanced/Advanced Subsidiary

May 2003

Answer Booklet

	Downloaded from http://www.thepaperbank.co.uk
1.	(a)
	(<i>b</i>)

Leave blank

Leave blank

(a)	
(b)	
(0)	
	Order of arc selection:
	Order of arc selection:
	Order of arc selection:
(c)	Order of arc selection:
(c)	

You may not need to use all these grids

3. (*a*)

	Talk I	Talk II	Talk III	Talk IV
Clive				
Julie				
Nicky				
Steve				

	Talk I	Talk II	Talk III	Talk IV
Clive				
Julie				
Nicky				
Steve				

	Talk I	Talk II	Talk III	Talk IV
Clive				
Julie				
Nicky				
Steve				

	Talk I	Talk II	Talk III	Talk IV
Clive				
Julie				
Nicky				
Steve				

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	Earliest ti	me meeting	could end:.				
(b)							
()			Talk I	Talk II	Talk III	Talk IV	
		Clive					
		Julie					
		Nicky					

Leave blank

N13910A 5

Steve

Leave blank

4.

	B plays I	B plays II	B plays III
A plays I	2	-1	3
A plays II	1	3	0
A plays III	0	1	-3

(a)	
(b)	
(c)	

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(d)	

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	Airport D	Airport E	Airport F	Cars available
Garage A	£20	£40	£10	6
Garage B	£20	£30	£40	5
Garage C	£10	£20	£30	8
Cars required	6	9	4	

(a)

	Airport D	Airport E	Airport F				
Garage A							
Garage B							
Garage C							

	\mathcal{C}			
				•
	 	• • • • • • • • • • • • • • • • • • • •	 	
(b)	 		 	
(c)	 		 	

Leave blank

You may not need to use all of these grids

nued))	Airport D	Airport E	Airport F
	Garage A			
	Garage B			
	Garage C			
•				
	•••••			
		Airport D	Airport E	Airport F
	Garage A	Import	7 Import 2	Timport
	Garage B			
	Garage C			
	Gurage			
			Г	T
		Airport D	Airport E	Airport F
	Garage A	Airport D	Airport E	Airport F
	Garage A Garage B	Airport D	Airport E	Airport F
		Airport D	Airport E	Airport F
	Garage B	Airport D	Airport E	Airport F
	Garage B	Airport D	Airport E	Airport
	Garage B	Airport D	Airport E	Airport
	Garage B	Airport D	Airport E	Airport F
	Garage B	Airport D	Airport E	Airport F

Leave blank

6.	(a)																				
••	(0)	 	• • • •	 	• • • • •			• • • •	• • • •		 	 		• • • •	• • • •	• • • •	• • • •	• • • •	• • • •	 	• • • •

(b)

Stage	Demand	State	Action	Destination	Value
1 (Nov) 2		0 (in stock)	(make) 2	0	200
		1 (in stock)	(make) 1	0	240
		2 (in stock)	(make) 0	0	80
2 (Oct) 5		1	4	0	590 + 200 = 79
		2	3	0	
			4	1	
		3	2		

Leave blank

Production schedule

Month	August	September	October	November		
Number of cycles to be made						

	Cost.	
(c)		

END