Answer Booklet. Paper Reference: 6689/01

Paper Reference(s)

6689

Edexcel GCE

Decision Mathematics D1 Advanced/Advanced Subsidiary

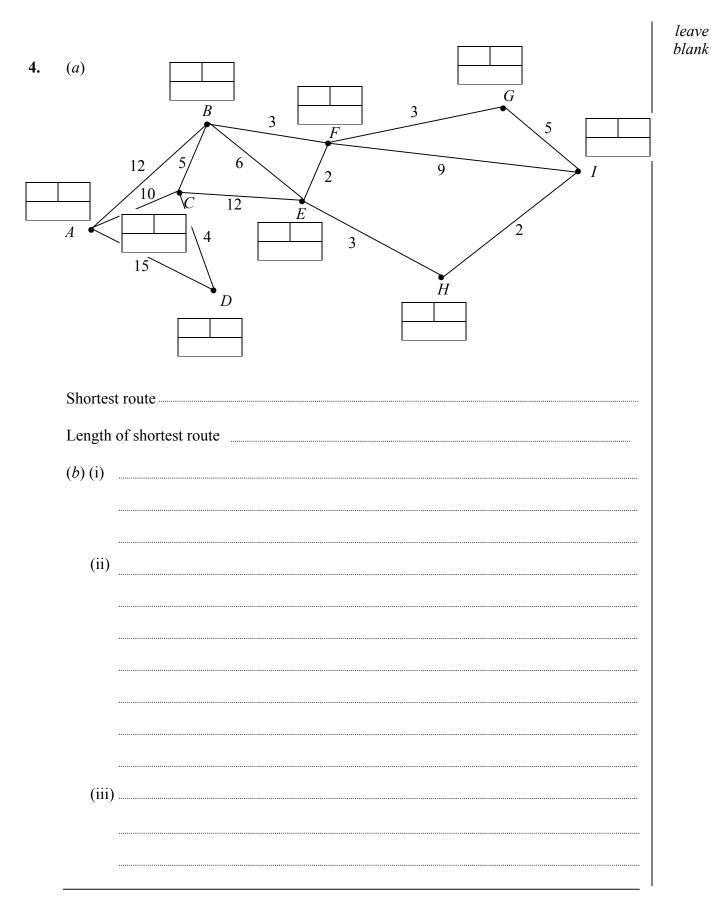
May 2002

Answer Booklet

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5. (a)

а	b	С	d	e	f	f = 0?

(b)	

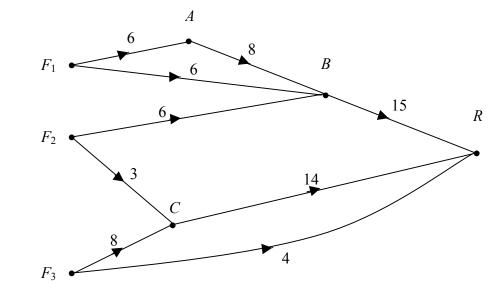
(c)	

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(a) Critical activities **6.** Length of critical path (b) Total floats of remaining non-critical activities (c) 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | (*d*) 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 2 3 Minimum number of workers

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7. (a) **Diagram 1**

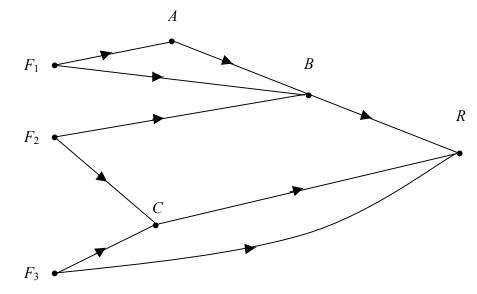


Capacity of arcs added _____

(b) (i) Maximum flow along $SF_1ABR =$

$$SF_3CR =$$

(ii) Diagram 2



S

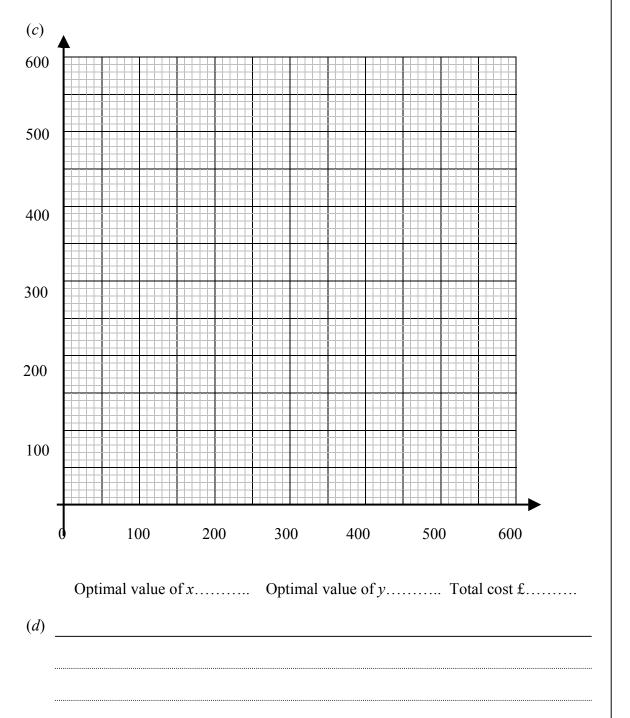
(c) (i) Diagram 3 \boldsymbol{A} В R F_2 • S Flow augmenting paths (ii) _____

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(<i>b</i>)			
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