

Centre No.					
Candidate No.					

Paper Reference (complete below)						
<b>6</b>	<b>6</b>	<b>8</b>	<b>9</b>	<b>/</b>	<b>0</b>	<b>1</b>

Surname	Initial(s)
Signature	

Paper Reference(s)

**6689**

**Edexcel GCE  
Decision Mathematics D1**

**Advanced/Advanced Subsidiary**

**January 2003**

**Answer Booklet**







**4.** (a)

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.....  
.....  
.....  
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(b)

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.....  
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(c)

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(d)

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.....  
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Leave blank

7. (a)

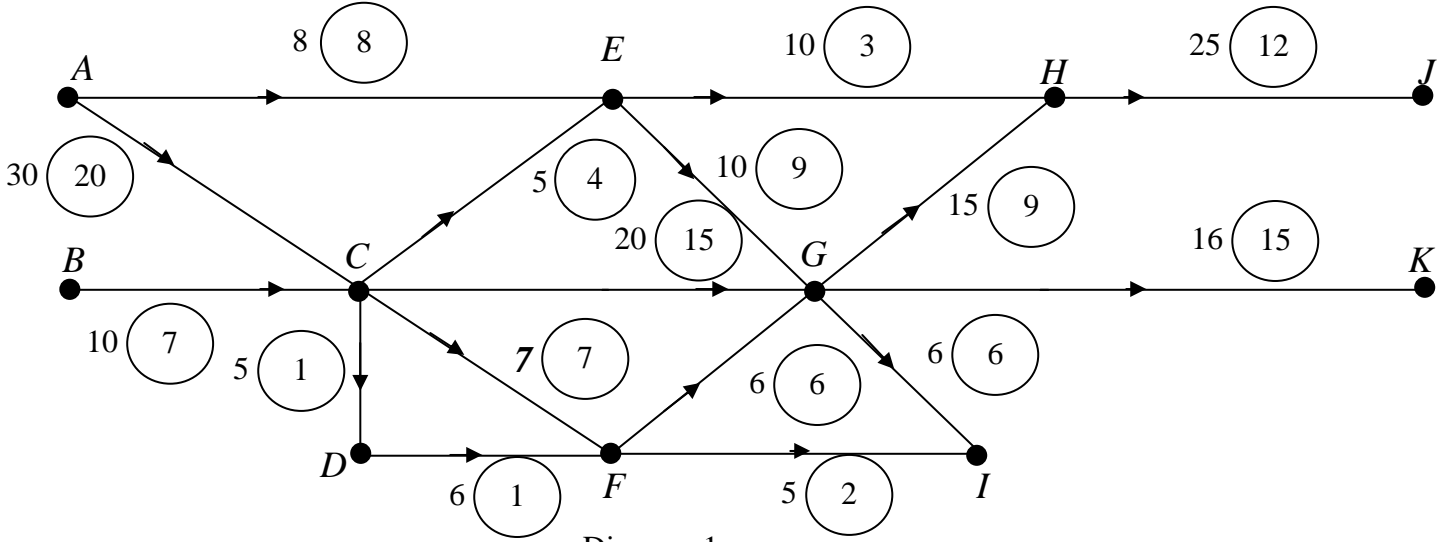


Diagram 1

(b) (i)

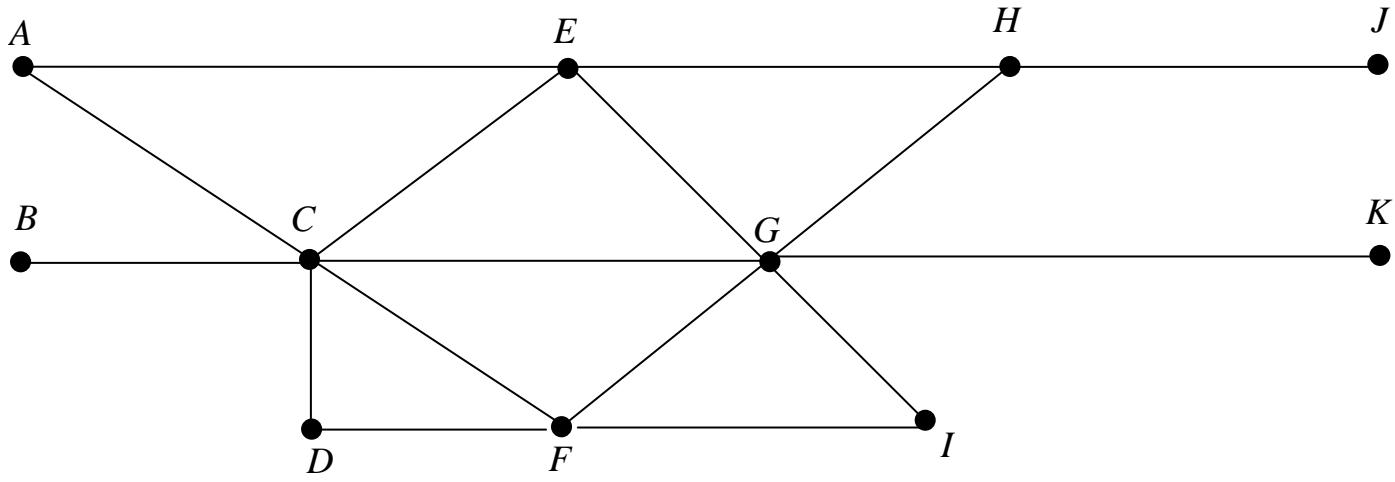


Diagram 2



Flow augmenting paths .....

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.....  
.....  
.....

Maximum flow = .....

(ii) .....

.....  
.....

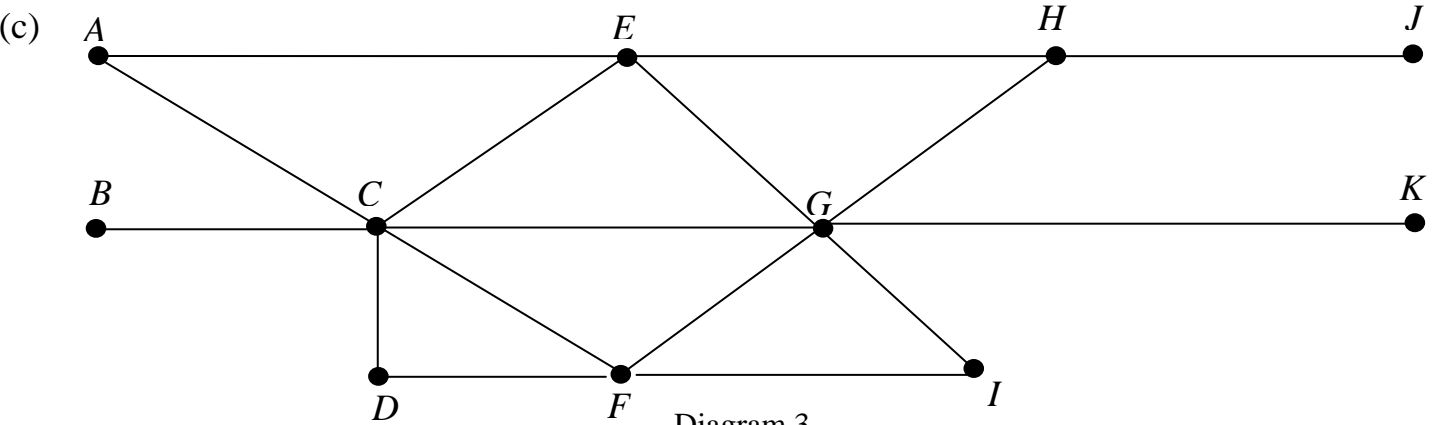


Diagram 3

8. (a)

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.....

.....

(b) You may not need to use all these tableaux.

b.v.	$x$	$y$	$z$	$r$	$s$	Value
$P$						

b.v.	$x$	$y$	$z$	$r$	$s$	Value
$P$						

b.v.	$x$	$y$	$z$	$r$	$s$	Value
$P$						

b.v.	$x$	$y$	$z$	$r$	$s$	Value
$P$						

(c)

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