

Paper Reference(s)

6689

**Edexcel GCE
Decision Mathematics D1**

Advanced Subsidiary

Tuesday 18 January 2005 – Afternoon

Answer Book

2. (a)

.....

.....

.....

.....

.....

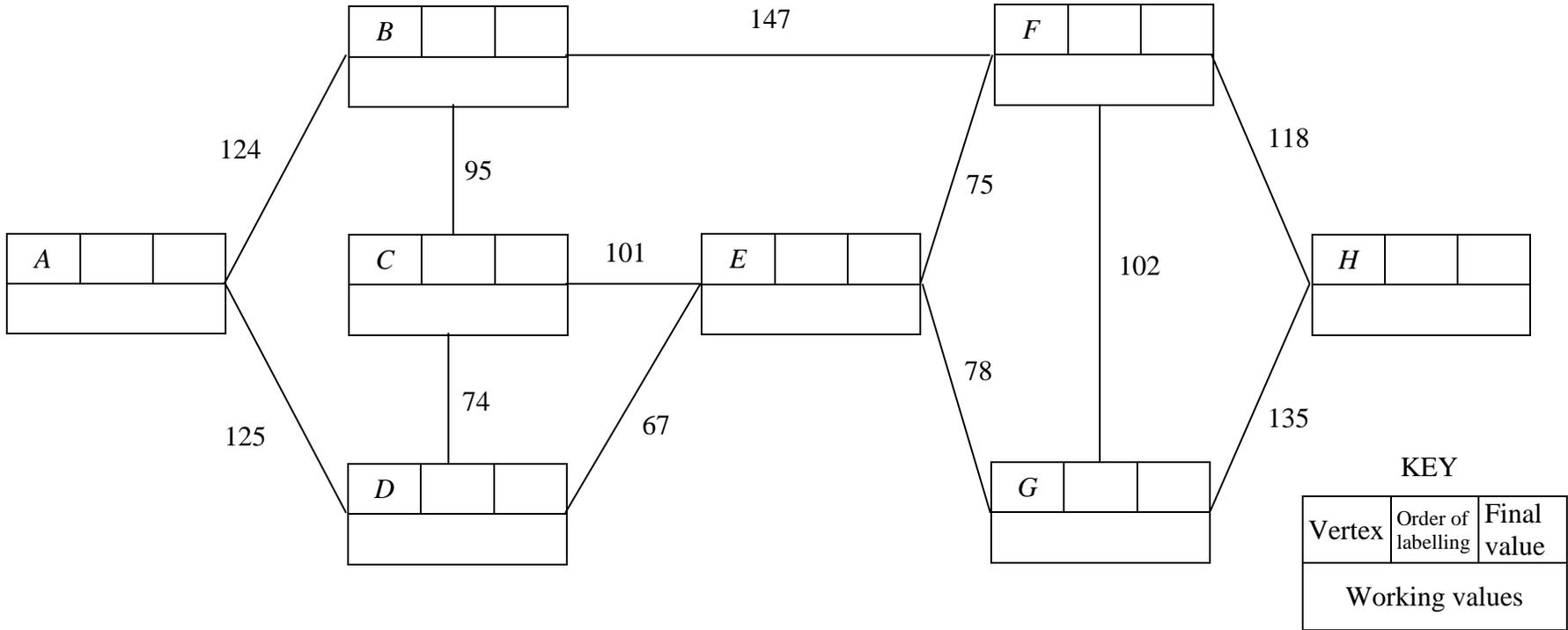
.....

.....

(b)

(Total 7 marks)

5. (i)



Shortest distance

(ii)

.....

.....

.....

.....

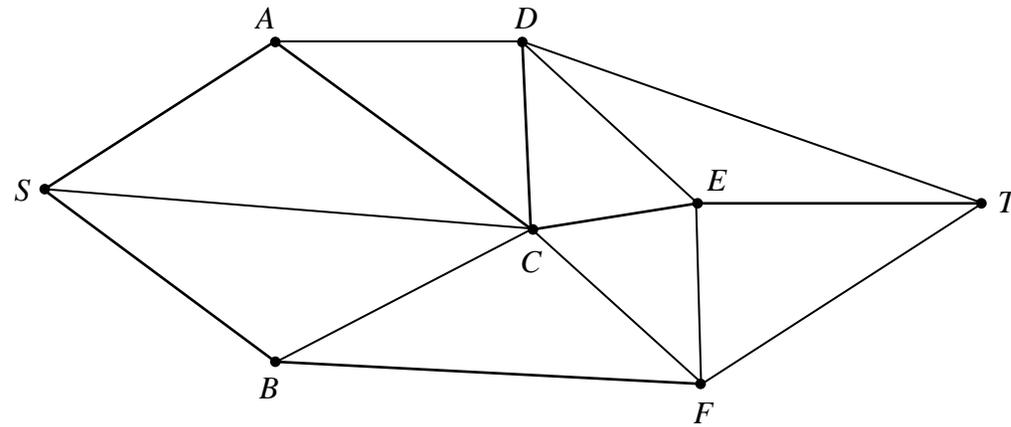
.....

.....

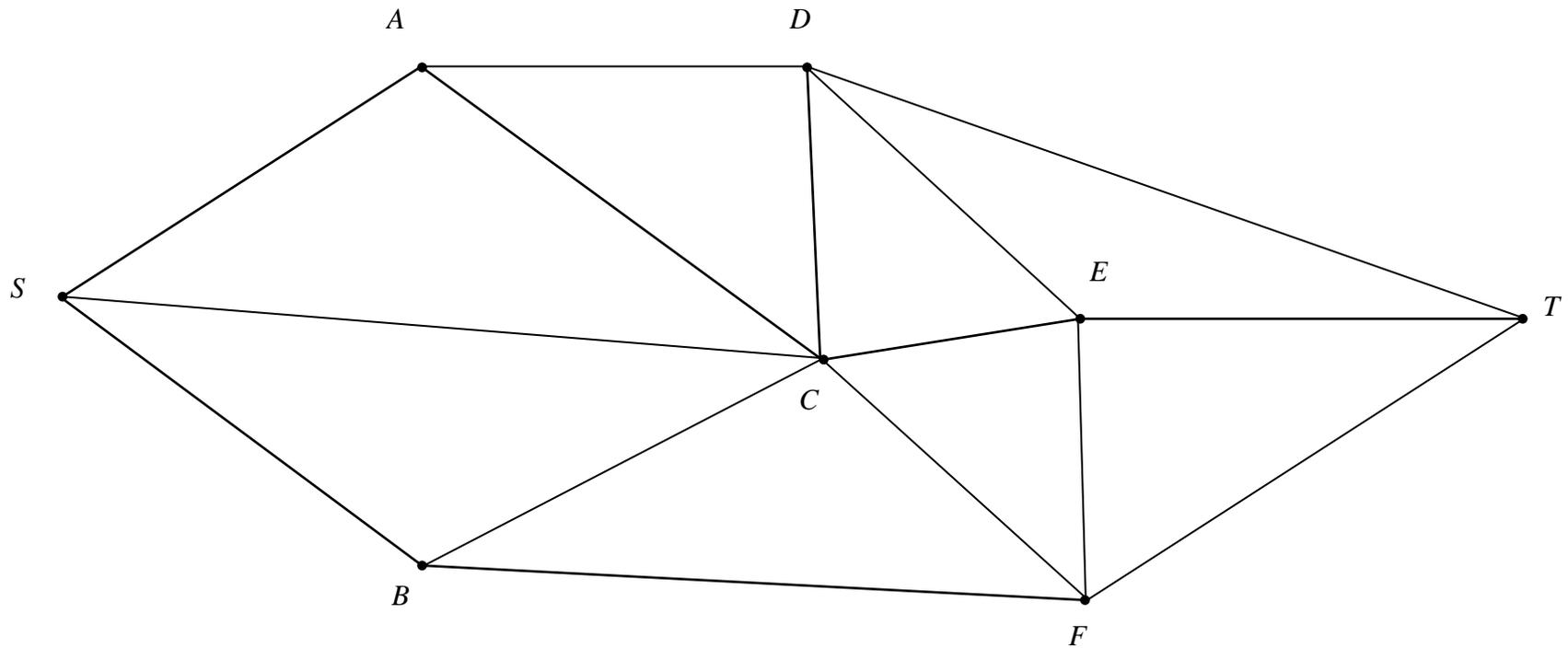
(Total 11 marks)

6. (a) (i) *SADT*..... (ii) *SCET*..... (iii) *SBFT*.....

(b) **Diagram 1**



(c) (i) **Diagram 2**

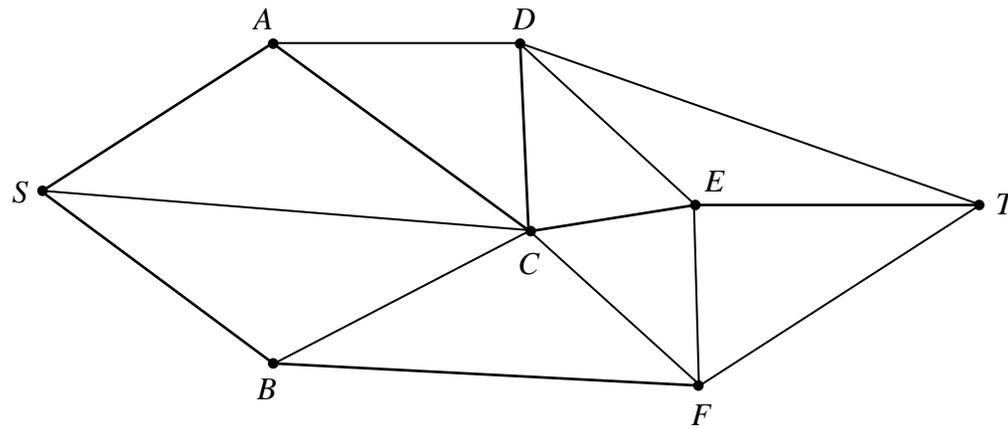


(c) (ii)

.....

.....

Diagram 3



(iii)

(d)

.....

.....

.....

.....

.....

(Total 14 marks)

7. (a)

.....

.....

.....

.....

.....

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

Basic variable	x	y	z	r	s	t	Value	Row operations
r								
s								
t								
P								

Basic variable	x	y	z	r	s	t	Value	Row operations

Basic variable	x	y	z	r	s	t	Value	Row operations

(c)

.....

.....

(d) (i) You may not need to use all of the tableaux.

Basic variable	x	y	z	r	s	t	Value	Row operations

.....

Basic variable	x	y	z	r	s	t	Value	Row operations

.....

(ii)

.....

(iii)

.....

(Total 18 marks)

TOTAL FOR PAPER: 75 MARKS

END

BLANK PAGE