

Candidate Name	Centre Number	Candidate Number



OXFORD CAMBRIDGE AND RSA EXAMINATIONS

**Advanced Subsidiary General Certificate of Education
Advanced General Certificate of Education**

MEI STRUCTURED MATHEMATICS

4771

Decision Mathematics 1

INSERT

Friday

14 JANUARY 2005

Morning

1 hour 30 minutes

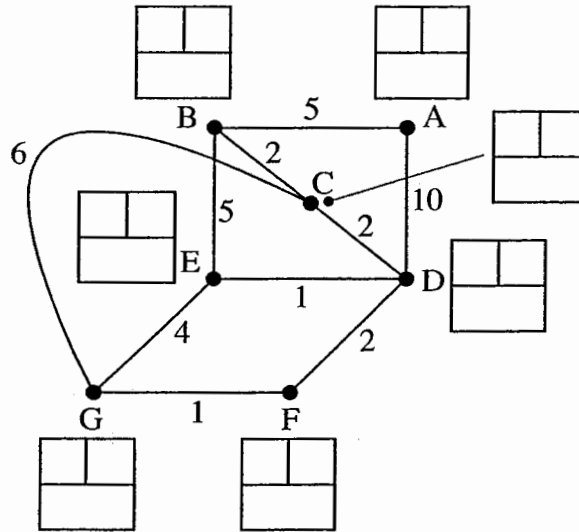
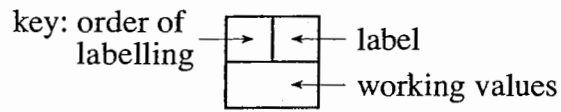
INSTRUCTIONS TO CANDIDATES

- This insert should be used in Questions **2**, **4** and **5** parts **(iii)** and **(iv)**.
- Write your name, centre number and candidate number in the spaces provided at the top of this page and attach it to your answer booklet.

This insert consists of 4 printed pages.

Insert for question 2

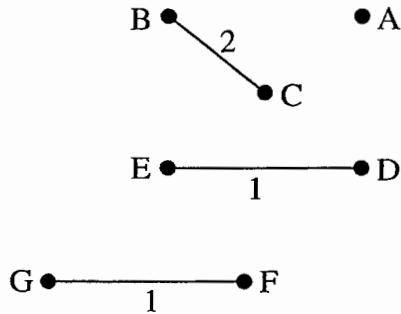
(i)



Shortest route: _____

Weight: _____

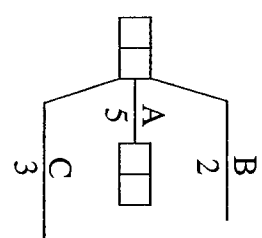
(ii)



Total weight of minimum connector: _____

Insert for question 4

(i) and (ii)



3

Critical activities: _____

Time to complete perm: _____

(iii) Total float for activity G: _____

(iv)

stylist																					
trainee																					
	10	20	30	40	50	60	70	80													

Spare copy

stylist																					
trainee																					
	10	20	30	40	50	60	70	80													

(v) Activity better started at latest start time: _____

Insert for question 5 (iii) and (iv)

Car no.	Arrival time at 1 st lights	Departure time from 1 st lights	Arrival time at 2 nd lights	Departure time from 2 nd lights
1	25			
2	27			
3	29			
4	44			
5	46			
6	48			
7	53			
8	78			
9	80			
10	85			

Mean delay at first set of lights: _____

Mean delay at second set of lights: _____

Spare copy

Car no.	Arrival time at 1 st lights	Departure time from 1 st lights	Arrival time at 2 nd lights	Departure time from 2 nd lights
1	25			
2	27			
3	29			
4	44			
5	46			
6	48			
7	53			
8	78			
9	80			
10	85			