

Candidate Name

Centre Number

Candidate  
Number

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**OXFORD CAMBRIDGE AND RSA EXAMINATIONS****Advanced Subsidiary General Certificate of Education  
Advanced General Certificate of Education****MEI STRUCTURED MATHEMATICS****4771**

Decision Mathematics 1

INSERT

Thursday

**15 JUNE 2006**

Afternoon

1 hour 30 minutes

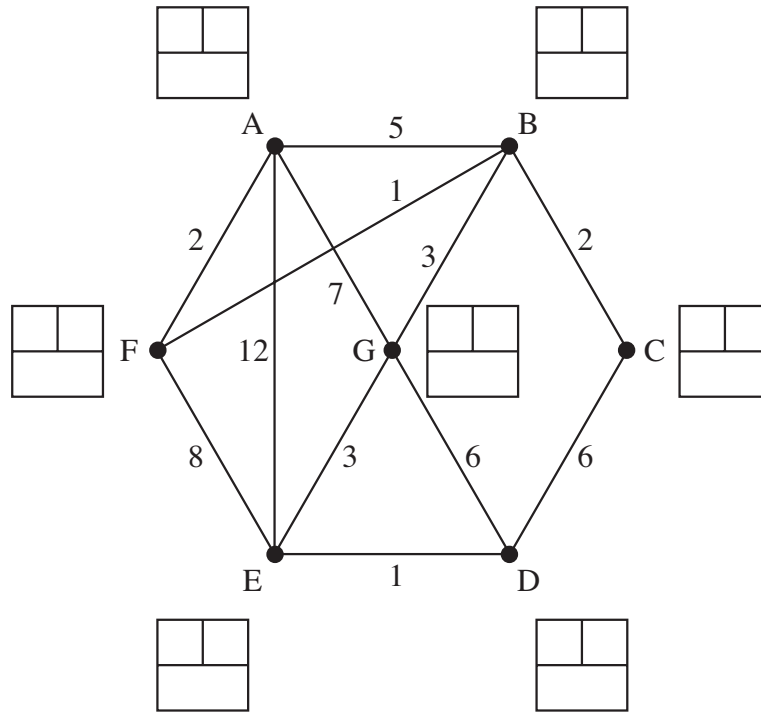
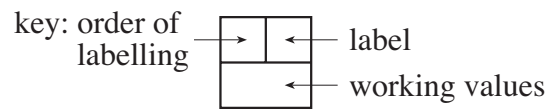
**INSTRUCTIONS TO CANDIDATES**

- This insert should be used in Questions **1** and **6**.
- 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.

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**This insert consists of 4 printed pages.**

1 (i)



Least weight route: \_\_\_\_\_

Weight \_\_\_\_\_

(ii) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**6 (ii) (A) and (iii)(B)**

Random numbers

Run 1	Run 2	Run 3	Run 4	Run 5	Run 6	Run 7	Run 8	Run 9	Run 10
60	16	11	59	00	77	46	02	77	59
95	41	89	82	25	19	43	62	08	13
19	51	76	22	65	18	06	86	69	84
25	81	32	13	15	71	57	20	08	23
06	65	23	37	25	69	97	82	52	60
82	32	03	45	22	50	87	72	08	84

**(ii) (A)**

	Run 1	Run 2	Run 3	Run 4	Run 5	Run 6	Run 7	Run 8	Run 9	Run 10
Year 1										
Year 2										
Year 3										
Year 4										
Year 5										
Year 6										

**[Question 6 (iii)(B) is printed overleaf.]**

## Random numbers

Run 1	Run 2	Run 3	Run 4	Run 5	Run 6	Run 7	Run 8	Run 9	Run 10
60	16	11	59	00	77	46	02	77	59
95	41	89	82	25	19	43	62	08	13
19	51	76	22	65	18	06	86	69	84
25	81	32	13	15	71	57	20	08	23
06	65	23	37	25	69	97	82	52	60
82	32	03	45	22	50	87	72	08	84

**(iii) (B)**

	Run 1	Run 2	Run 3	Run 4	Run 5	Run 6	Run 7	Run 8	Run 9	Run 10
Year 1										
Year 2										
Year 3										
Year 4										
Year 5										
Year 6										