Candidate Name	Centre Number	Candidate Number

OCR

OXFORD CAMBRIDGE AND RSA EXAMINATIONS

Advanced Subsidiary General Certificate of Education
Advanced General Certificate of Education

MEI STRUCTURED MATHEMATICS   **4771**

Decision Mathematics 1
INSERT

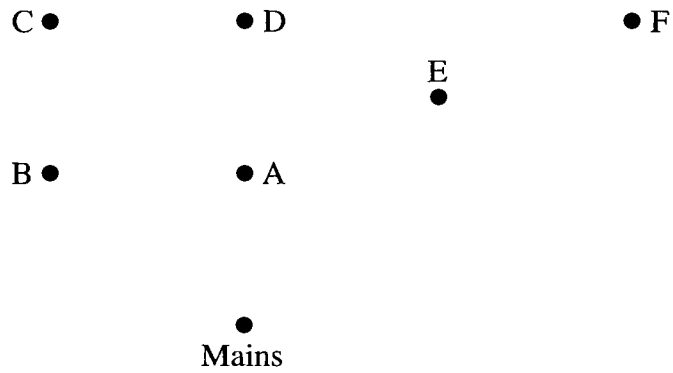| Monday | **20 JUNE 2005** | Morning | 1 hour 30 minutes |

INSTRUCTIONS TO CANDIDATES

*   This insert should be used in Questions **1, 2** and **4**.
*   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.

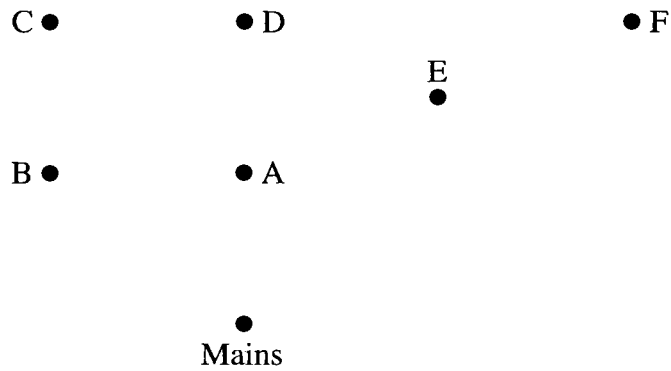
This insert consists of 4 printed pages.

1 **(i)**

C ●   ● D   ● F

E
●

B ●   ● A

●
Mains

Minimum number of connections: _____

(ii) Minimum number of connections using junction box: _____

(iii) _____

_____

(iv) _____

_____

Spare copy of diagram

C ●   ● D   ● F

E
●

B ●   ● A

●
Mains

2   **(i)**   Janet's route

entrance

exit

John's route

entrance

exit

(ii) _____

_____

_____

_____

_____

(iii) _____

_____

(iv) _____

_____

_____

[Turn over
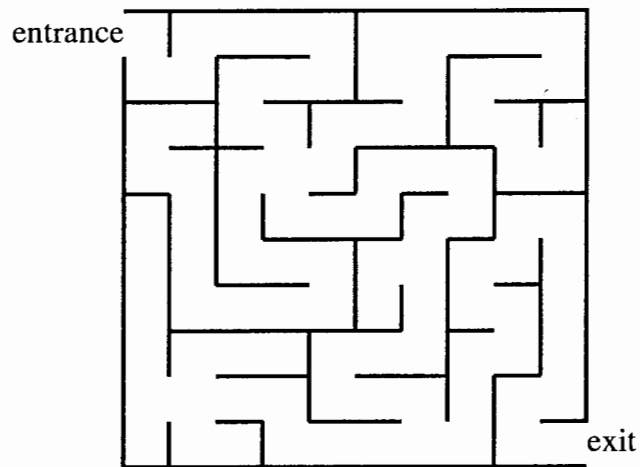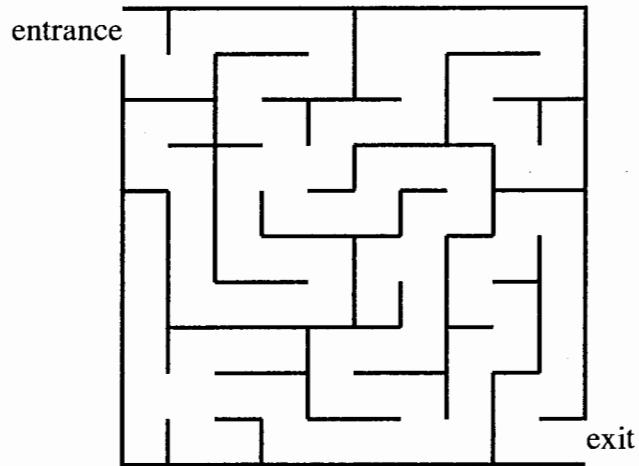
4 **(i)**

key: order of labelling → [|] ← label
[← working values
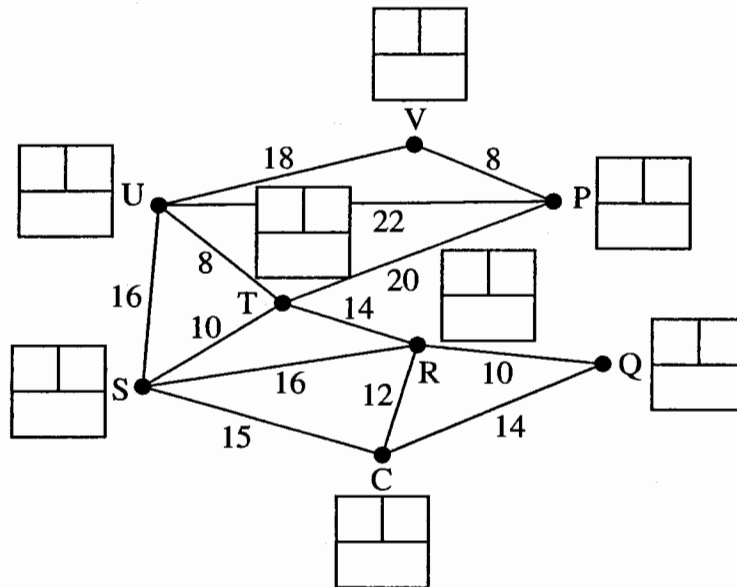
	PC	QC	RC	SC	TC	UC	VC
Shortest distances:							

Shortest route from P to C: _____

Shortest route from V to C: _____

(ii)
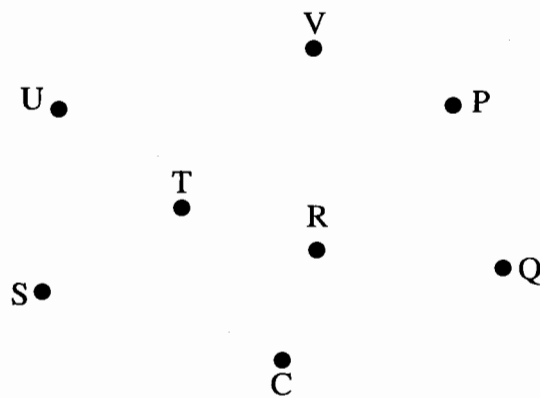
Order of including arcs: _____

Length of connector: _____