

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

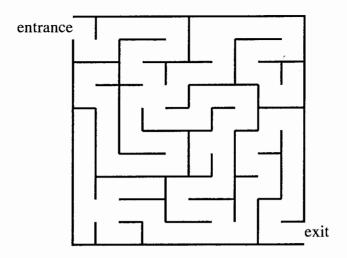
INSTRUCTIONS TO CANDIDATES

- 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.

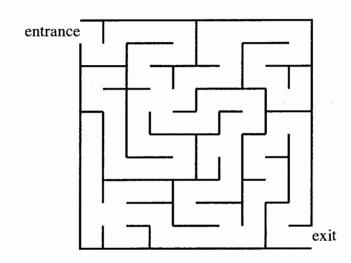
1

(i)									
	C ●	• D		• F					
			E •						
	В●	● A							
		•							
		Mains							
Minimum number of connections:									
(ii)	Minimum number of con	nections using iur	action box:						
(11)	William Indilloct of Coll	nections using jun	etion box						
(iii)									
•									
(iv)									
	Spare copy of diagram								
	C ●	• D	F	● F					
			E •						
	. В ●	• A							
		•							
		Mains							

2 (i) Janet's route

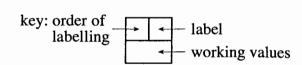


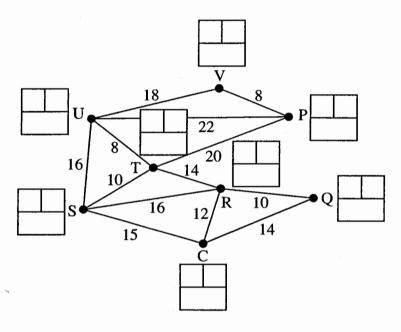
John's route



(ii) _	 	 	·	
(iii)				
` ,				

4 (i)



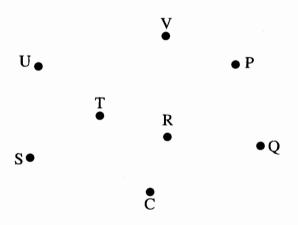


	PC	QC	RC	SC	TC	UC	VC
Shortest distances:							

Shortest route from P to C:

Shortest route from V to C:

(ii)



Order of including arcs:

Length of connector: