

Candidate Name	Centre Number	Candidate Number



OXFORD CAMBRIDGE AND RSA EXAMINATIONS

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

MATHEMATICS

4736

Decision Mathematics 1

INSERT for Question 4

Tuesday

7 JUNE 2005

Afternoon

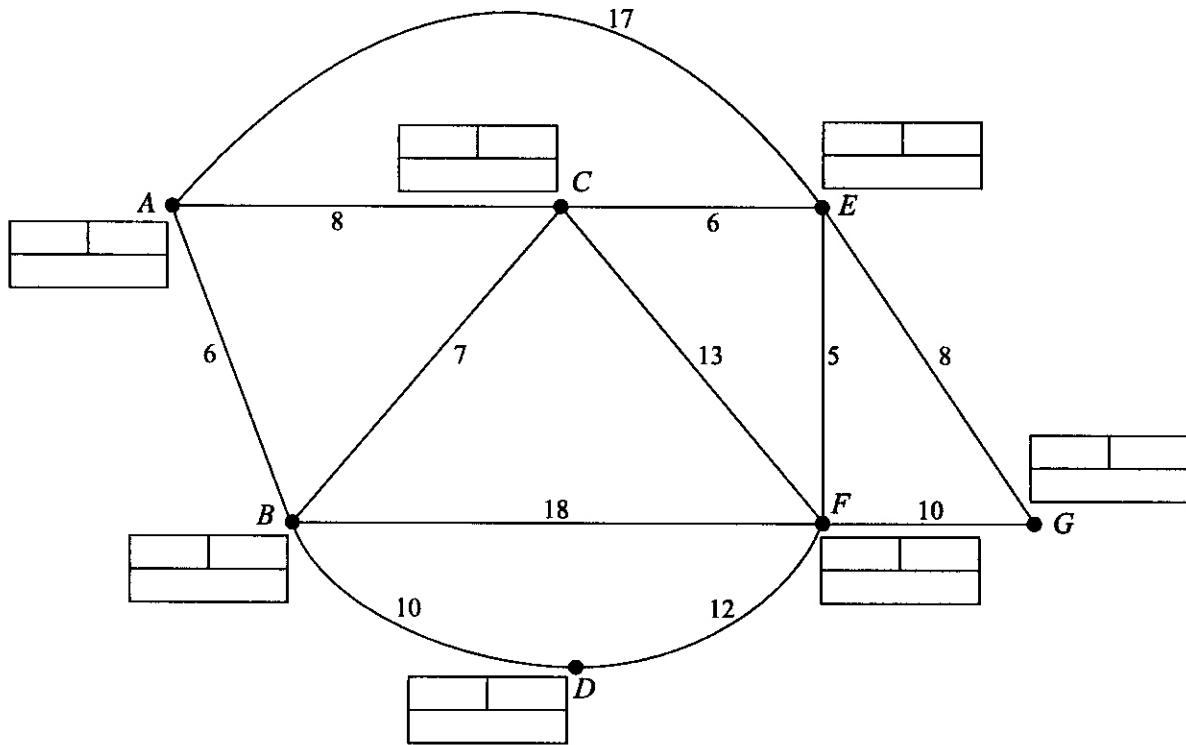
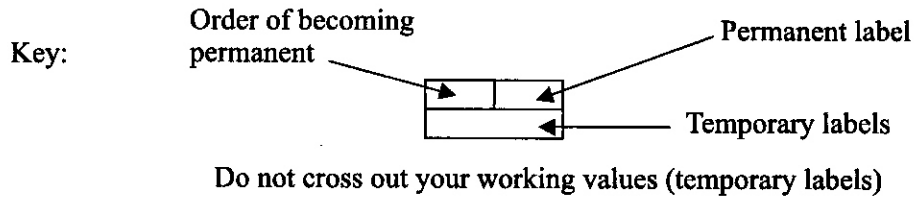
1 hour 30 minutes

INSTRUCTIONS TO CANDIDATES

- This insert should be used to answer Question 4.
- Write your name, centre number and candidate number in the spaces provided at the top of this page.
- Write your answers to Question 4 in the spaces provided in this insert, and attach it to your answer booklet.

This insert consists of 2 printed pages.

4 (i)



Vertex	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>	<i>G</i>
Length of shortest path from <i>A</i>						

Route of shortest path from *A* to *G*

(ii)

Length of shortest route that uses **every** road starting and ending at *A* km

(iii)

Length of shortest route that uses **every** road starting at *A* and ending at *G* km