



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 Questions 1 and 2

Monday

**23 JANUARY 2006**

Afternoon

1 hour 30 minutes

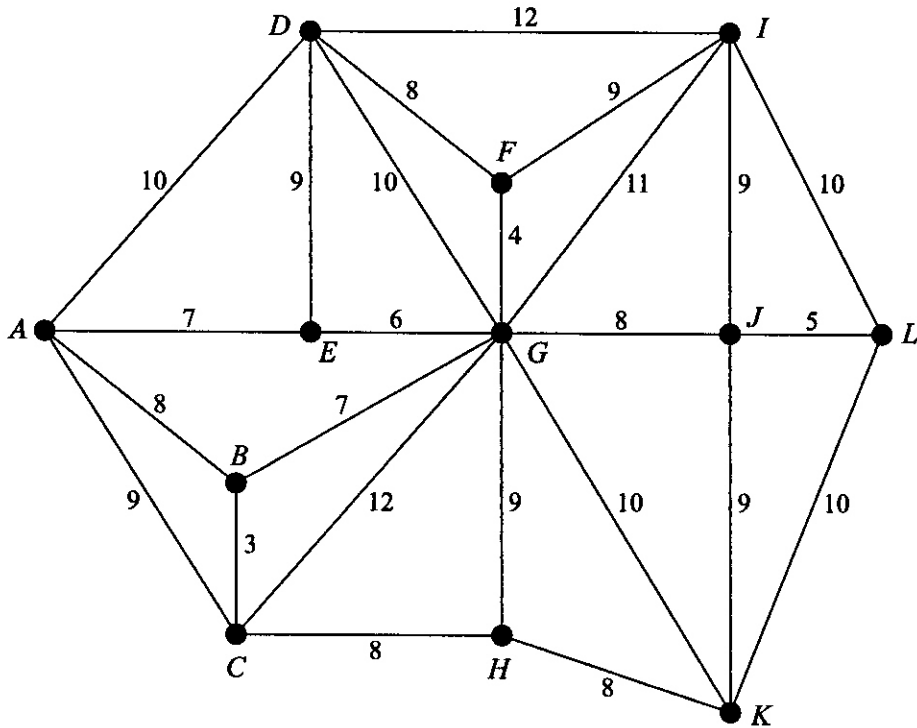
**INSTRUCTIONS TO CANDIDATES**

- This insert should be used to answer Questions **1** and **2**.
- Write your name, centre number and candidate number in the spaces provided at the top of this page.
- Write your answers to Questions **1** and **2** in the spaces provided in this insert, and attach it to your answer booklet.

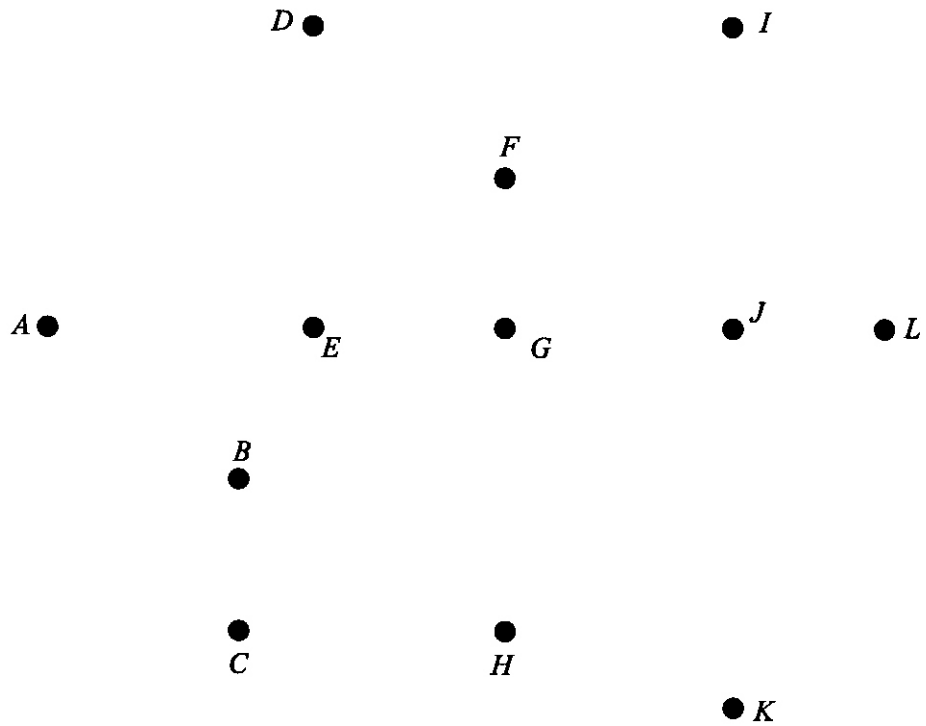
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**This insert consists of 3 printed pages and 1 blank page.**

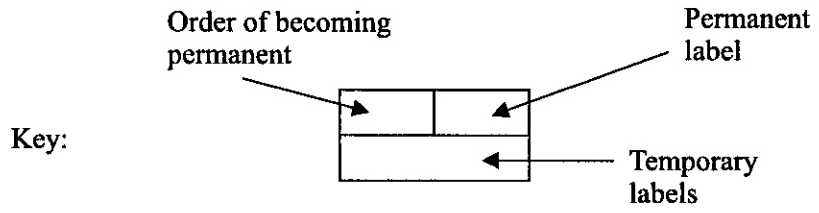
1



- $BC = 3$
- $FG = 4$
- $JL = 5$
- $EG = 6$
- $AE = 7$
- $BG = 7$
- $AB = 8$
- $CH = 8$
- $DF = 8$
- $GJ = 8$
- $HK = 8$
- $AC = 9$
- $DE = 9$
- $FI = 9$
- $GH = 9$
- $IJ = 9$
- $JK = 9$
- $AD = 10$
- $DG = 10$
- $GK = 10$
- $IL = 10$
- $KL = 10$
- $GI = 11$
- $CG = 12$
- $DI = 12$



Total weight of arcs in minimum spanning tree = .....



Do not cross out your working values (temporary labels)

