ADVANCED SUBSIDIARY GCE   **4736/01**

MATHEMATICS

Decision Mathematics 1

INSERT for Question 4

THURSDAY 12 JUNE 2008   Morning

Time: 1 hour 30 minutes

Candidate Forename		Candidate Surname	

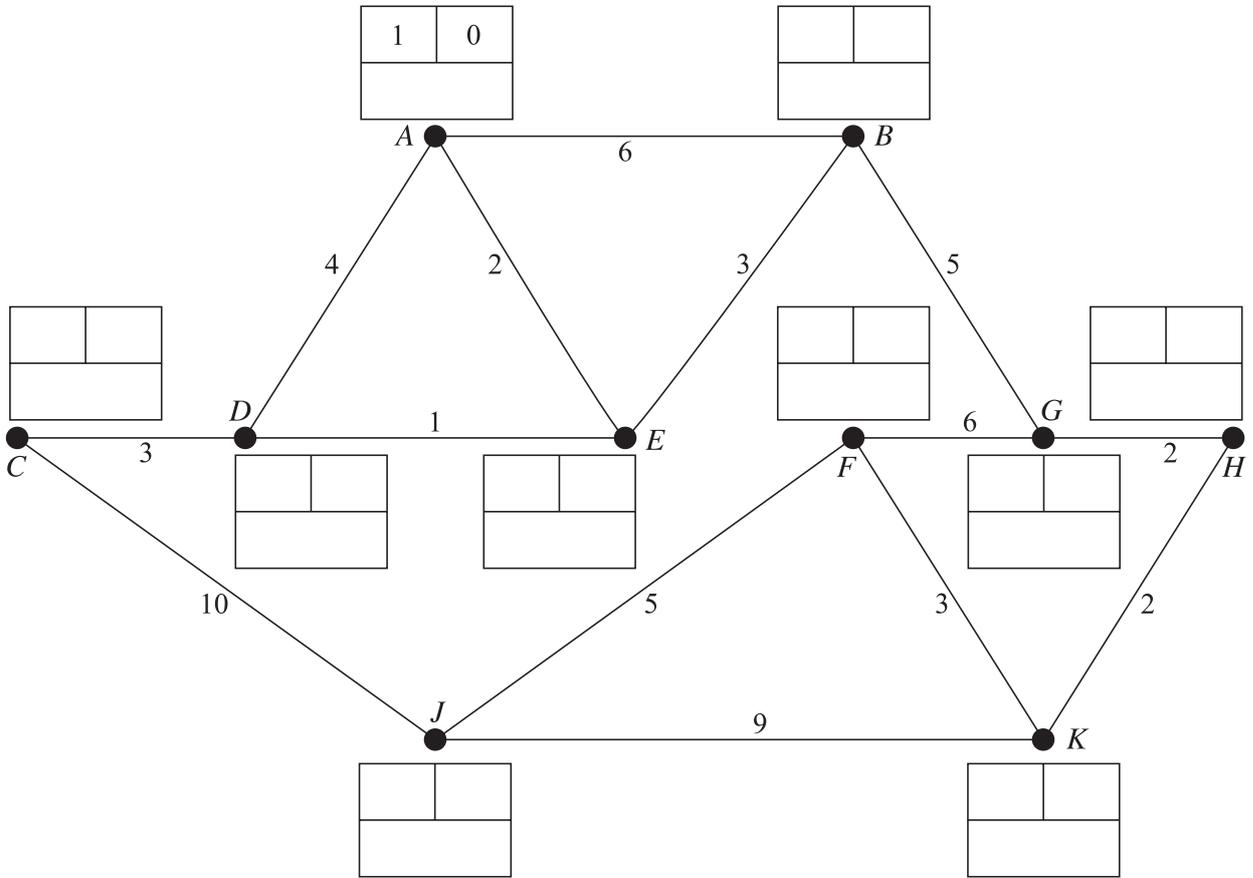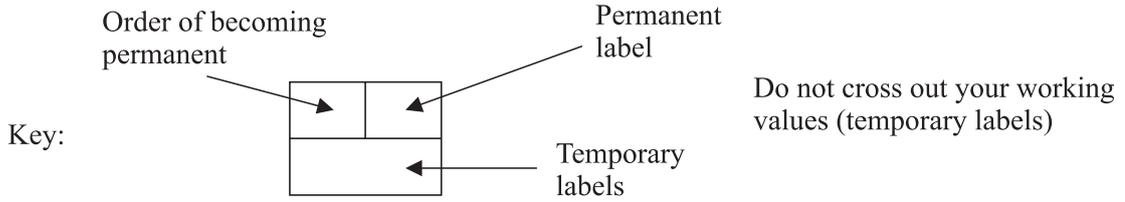| Centre Number		Candidate Number	

INSTRUCTIONS TO CANDIDATES

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

4 (i)

Key: Order of becoming permanent — Permanent label — Temporary labels

Do not cross out your working values (temporary labels)

Route of shortest path from *A* to *K* = ...

Length of shortest path from *A* to *K* = ... metres

(ii) ....

Route of shortest path from *A* to *J*, without using *CJ* = ...

Length of path = ... metres

(iii) ....

....

Length of *FJ* must change by .... metres