Centre No.					Раре	er Refer	ence			Surname	Initial(s)
Candidate No.			6	6	8	9	/	0	1	Signature	

Paper Reference(s)

6689/01

Edexcel GCE

Decision Mathematics D1 Advanced/Advanced Subsidiary

Wednesday 19 January 2011 – Afternoon

Answer Book

Do not return the question paper with the answer book

Examiner's use only

Team Leader's use only

Question Number	Leave Blank
1	
2	
3	
4 5 6 7	
5	
6	
7	
Total	

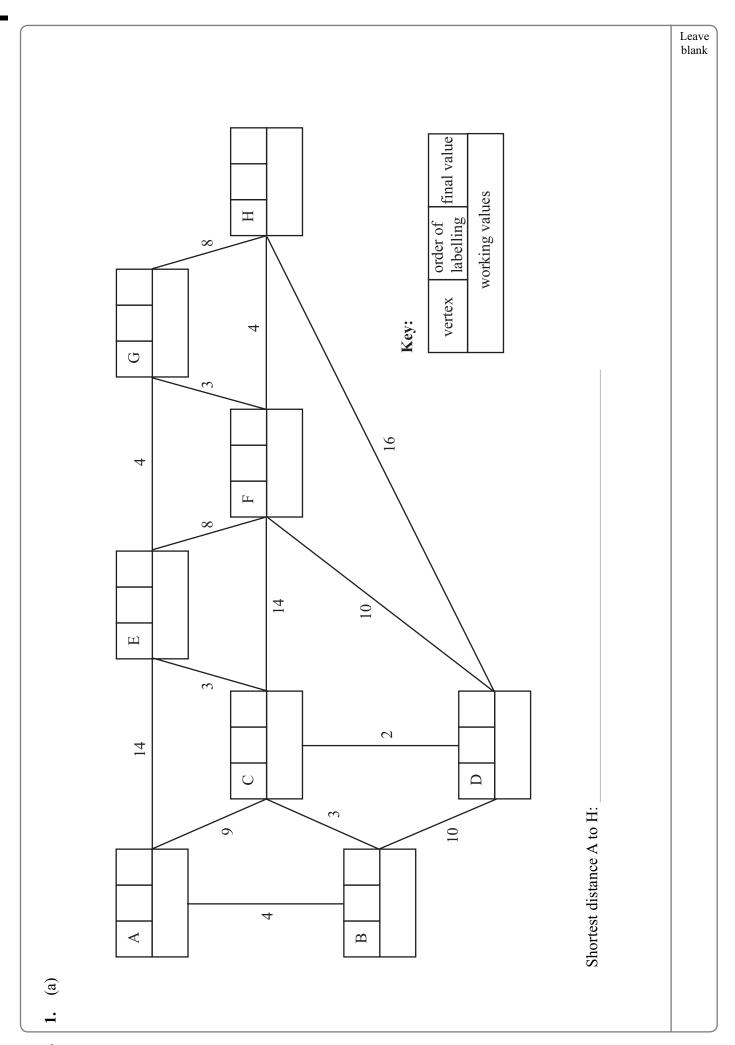
This publication may be reproduced only in accordance with Edexcel Limited copyright policy. ©2011 Edexcel Limited.

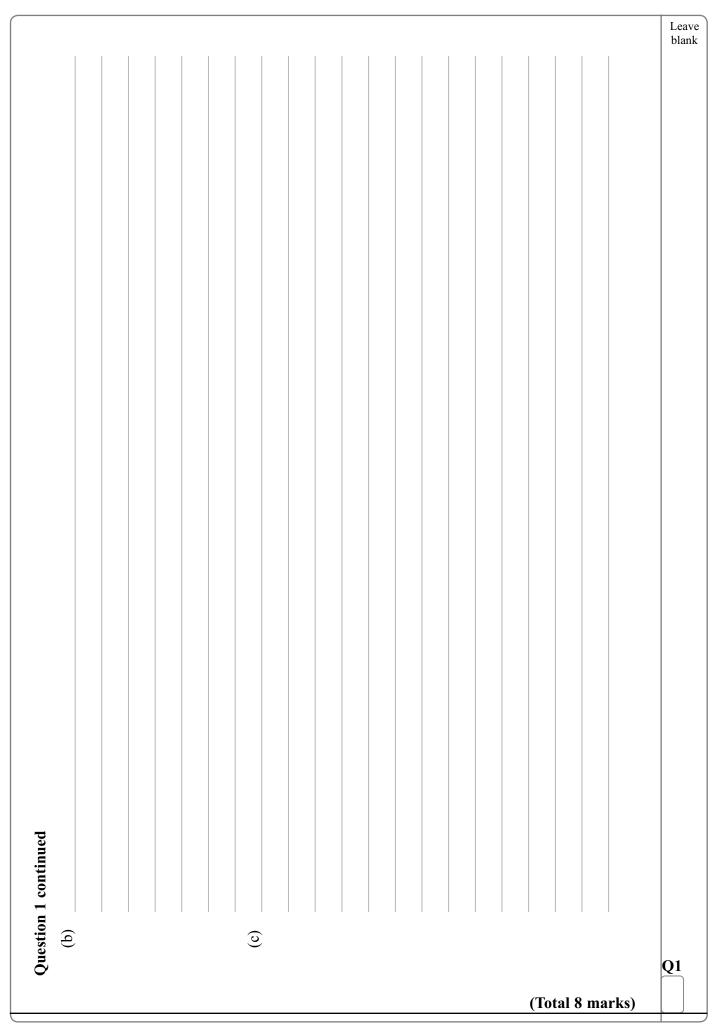
Printer's Log. No. N35412A
W850/R6689/57570 5/5/3/3/2



Turn over









(Total 12 marks)

3.

(a)

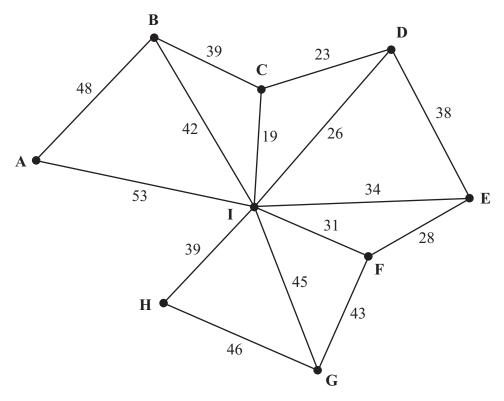


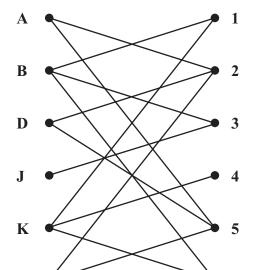
Figure 2



(Total 10 marks)

4. 1 1 \mathbf{A} B 2 B **D** • D 3 5 Figure 3 Figure 4

Question 4 continued



A •

В

• 1

• 2

D •

• 3

J •

• 4

K •

• 5

M •

• 6

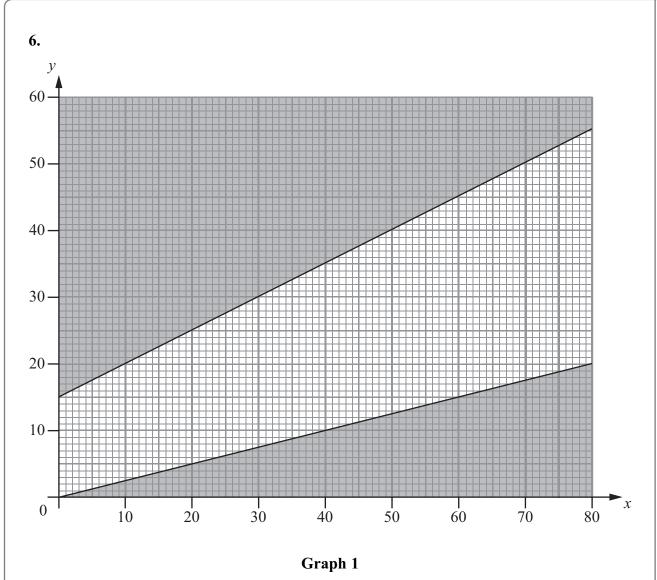
Q4

(Total 7 marks)

_	
_	
_	
_	



(Total 11 marks)





(Total 11 marks)

7. (a)

(b)

Activity	Immediately preceding activities
A	-
В	-
С	A
D	A
Е	A
F	B, C
G	
Н	
I	
J	
K	
L	

Precedence table

Leave blank Question 7 continued (c) D (7) I (3) A (4) K (5) E (4) C (3) L(3) H (2) J (9) F (3) B (6) G (5) Key: Early event time Late event time Diagram 2 (d) Critical Activities: (e) (f) **Q**7 (Total 16 marks) **TOTAL FOR PAPER: 75 MARKS END**