

Monday 28 January 2013 – Morning

A2 GCE MATHEMATICS

4737/01 Decision Mathematics 2

PRINTED ANSWER BOOK

Candidates answer on this Printed Answer Book.

OCR supplied materials:

- Question Paper 4737/01 (inserted)
- List of Formulae (MF1)

Other materials required:

- Scientific or graphical calculator

Duration: 1 hour 30 minutes



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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INSTRUCTIONS TO CANDIDATES

These instructions are the same on the Printed Answer Book and the Question Paper.

- The Question Paper will be found in the centre of the Printed Answer Book.
- Write your name, centre number and candidate number in the spaces provided on the Printed Answer Book. Please write clearly and in capital letters.
- **Write your answer to each question in the space provided in the Printed Answer Book.** Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Do **not** write in the bar codes.
- You are permitted to use a scientific or graphical calculator in this paper.
- Give non-exact numerical answers correct to 3 significant figures unless a different degree of accuracy is specified in the question or is clearly appropriate.

INFORMATION FOR CANDIDATES

This information is the same on the Printed Answer Book and the Question Paper.

- The number of marks is given in brackets [] at the end of each question or part question on the Question Paper.
- **You are reminded of the need for clear presentation in your answers.**
- The total number of marks for this paper is **72**.
- The Printed Answer Book consists of **16** pages. The Question Paper consists of **8** pages. Any blank pages are indicated.

1 (i)*A* ●● *F**B* ●● *G**C* ●● *H**D* ●● *I**E* ●● *J***1 (ii)***A* ●● *F**B* ●● *G**C* ●● *H**D* ●● *I**E* ●● *J*

1(ii)

A ● ● *F*

B ● ● *G*

C ● ● *H*

D ● ● *I*

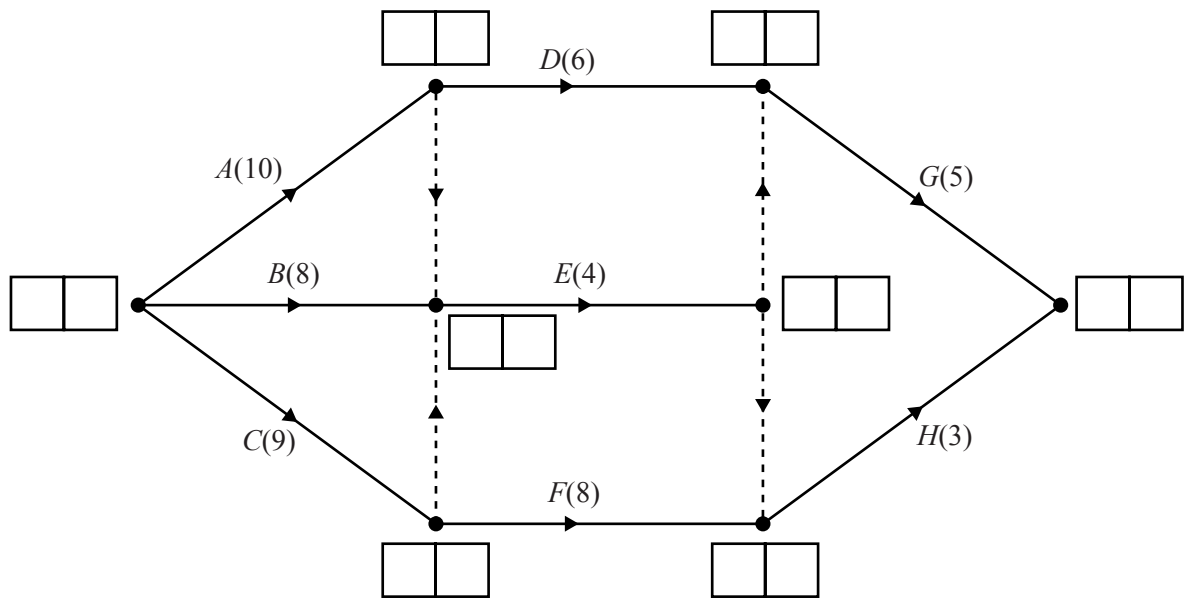
E ● ● *J*

1 (iv)

2 (i)

Activity	Duration	Immediate predecessors
<i>A</i>	10	
<i>B</i>	8	
<i>C</i>	9	
<i>D</i>	6	
<i>E</i>	4	
<i>F</i>	8	
<i>G</i>	5	
<i>H</i>	3	

2 (ii)

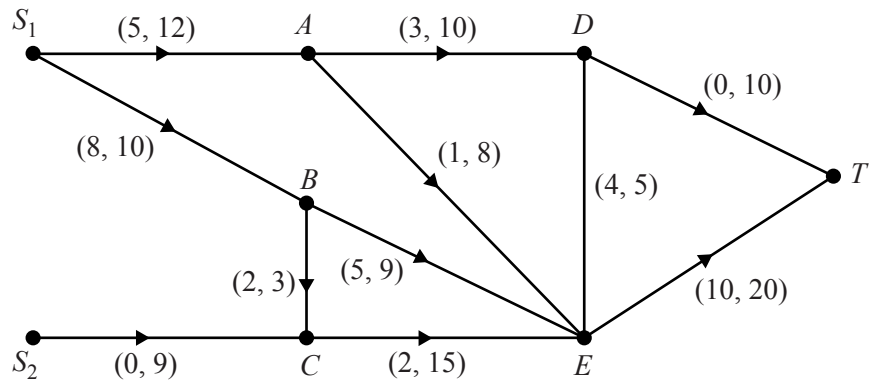


2 (iii)	
2 (iv)	
2 (v)	

3 (ii) (continued)	

3 (iii)	

4 (i)

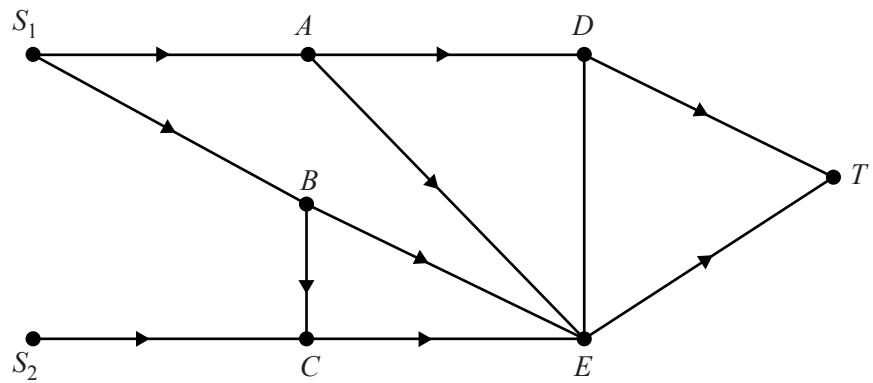


4 (ii) Maximum =

Minimum =

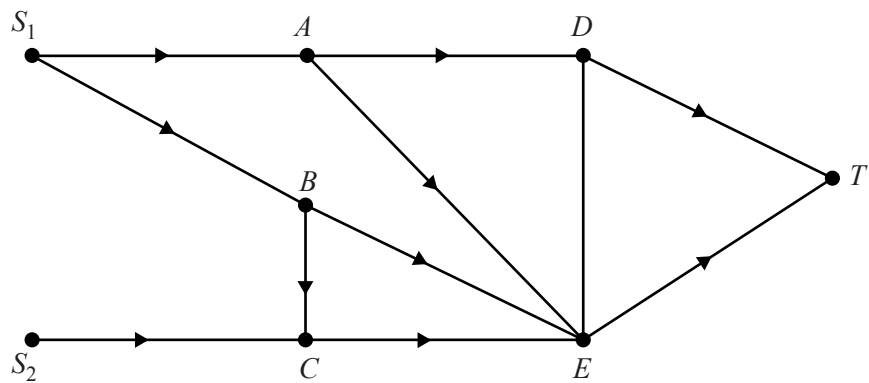
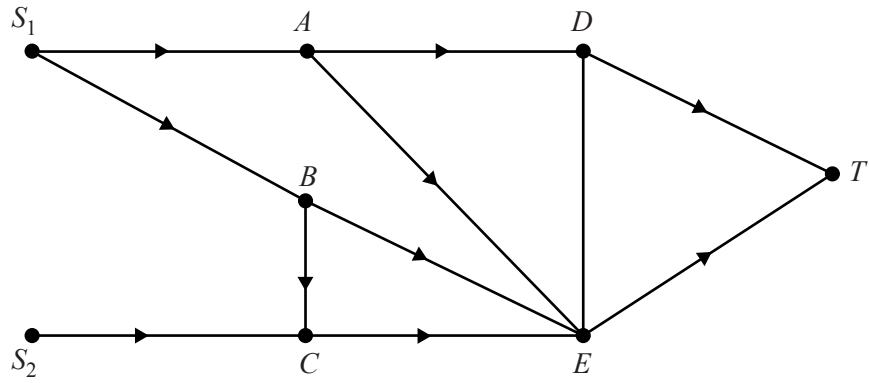
4 (iii)

4 (iv)



4 (v)

4 (vi)



spare copy of diagram

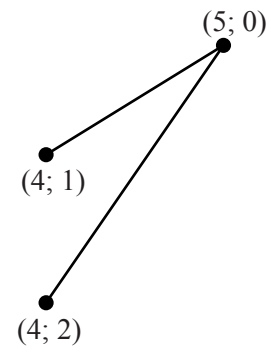
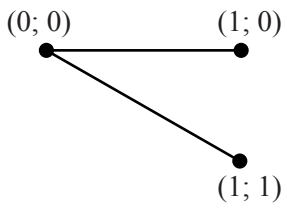
5 (i)	
5 (ii)	
5 (iii)	

5 (iv)	

5 (v)	

6 (i)

6 (ii)



6 (iii)											
	6 (iv)	<table border="1"><tr><td>Monday</td><td>Tuesday</td><td>Wednesday</td><td>Thursday</td><td>Friday</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>	Monday	Tuesday	Wednesday	Thursday	Friday				
Monday		Tuesday	Wednesday	Thursday	Friday						

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