



Rewarding Learning

ADVANCED SUBSIDIARY (AS)
General Certificate of Education
Exemplar Answer Booklet

Centre Number

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Candidate Number

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ANSWER BOOKLET

Subject

Further Mathematics

Unit

2

Component Code

SFM21



SFM21

Applied Mathematics

INSTRUCTIONS TO CANDIDATES

Read these instructions carefully.

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

You must answer the questions or question parts in the dedicated spaces provided within this Answer Booklet.

Do not write outside the boxed area on each page or on blank pages.

Complete in black ink only. **Do not write with a gel pen.**

Questions which require drawing or sketching should be completed using an HB pencil.

You must answer **all** questions from Sections A and B **or** A and C **or** A and D **or** C and D.

You should spend equal time on each of the two sections.

Show clearly the full development of your answers. **Answers without working may not gain full credit.**

Answers should be given to three significant figures unless otherwise stated.

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36SFM2101

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36SFM2102





Question
Number

SECTION A Mechanics 1

A1 (i)

Area for answer A1 (i) with horizontal dotted lines for writing.

A1 (ii)

Area for answer A1 (ii) with horizontal dotted lines for writing.



Question
Number

SECTION A Mechanics 1

A2 (i)

A2 (ii)

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Question
Number

SECTION A Mechanics 1

A3

Area for writing the answer to question A3, featuring horizontal dotted lines.



Question
Number

SECTION A Mechanics 1

A4 (i)





Question
Number

SECTION A Mechanics 1

A4 (ii)

Dotted lines for writing the answer to question A4 (ii).

A4 (iii)

Dotted lines for writing the answer to question A4 (iii).



Question
Number

SECTION A Mechanics 1

A5 (i)

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Question
Number

SECTION A Mechanics 1

A5 (ii)

A large rectangular area with horizontal dotted lines for writing the answer to question A5 (ii).





Question
Number

SECTION B Mechanics 2

B1 (i)

B1 (ii)

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Question
Number

SECTION B Mechanics 2

B2 (i)

B2 (ii)



Question
Number

SECTION B Mechanics 2

B3

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36SFM2112





Question
Number

SECTION B Mechanics 2

B4

A large rectangular area with horizontal dotted lines for writing answers.



Question
Number

SECTION B Mechanics 2

B5 (i)

B5 (ii)

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Question
Number

SECTION B Mechanics 2

B5 (iii)

A large rectangular area for writing, bounded by a solid line on the top, bottom, and right, and a solid line on the left. The interior of this area is filled with horizontal dotted lines, providing a guide for handwriting.



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Question Number

SECTION C Statistics

C1 (i)

C1 (ii)

Handwriting practice area with horizontal dotted lines for answers.



Question
Number

SECTION C Statistics

C2 (i)

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Question
Number

SECTION C Statistics

C3 (i)

C3 (ii)





Question
Number

SECTION C Statistics

C3 (iii)

C3 (iv)



Question
Number

SECTION C Statistics

C4 (i)

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Question Number

SECTION C Statistics

C4 (ii)

C4 (iii)





Question
Number

SECTION C Statistics

C5 (iv)

Area for writing the answer to question C5 (iv), featuring horizontal dotted lines.

C5 (v)

Area for writing the answer to question C5 (v), featuring horizontal dotted lines.



Question
Number

SECTION D Discrete and Decision Mathematics

D1 (a)

D1 (b) (i)





Question
Number

SECTION D Discrete and Decision Mathematics

D1 (b) (ii)

D1 (b) (iii)

D1 (c)

Handwriting practice area with horizontal dotted lines for each question section.



Question
Number

SECTION D Discrete and Decision Mathematics

D2 (i)





Question
Number

SECTION D Discrete and Decision Mathematics

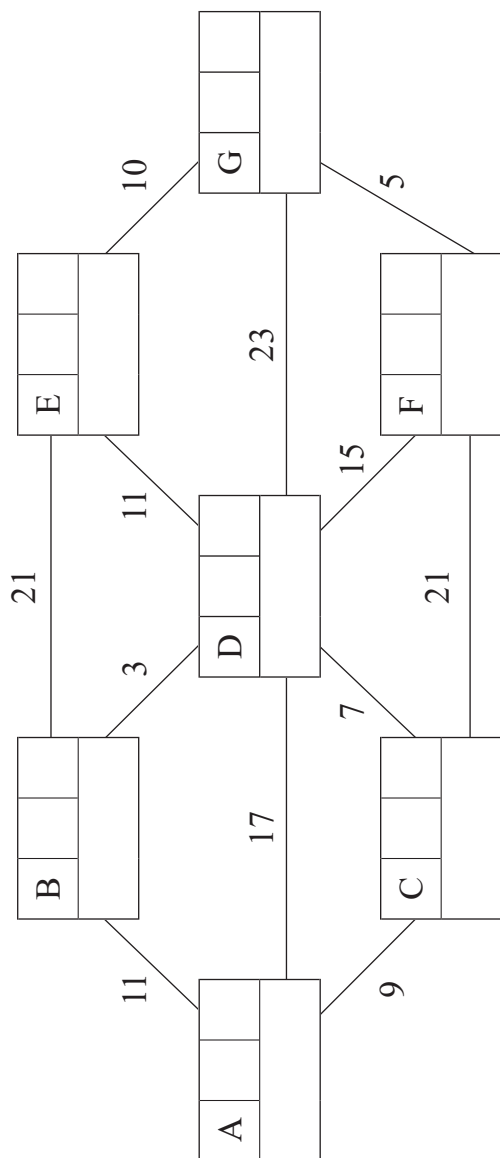
D2 (ii)



Question Number

SECTION D Discrete and Decision Mathematics

D3 (i)



Key:

Town label	Order chosen	Minimum time from A
Temporary times (do not delete)		

Diagram 1

D3 (ii)

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.....

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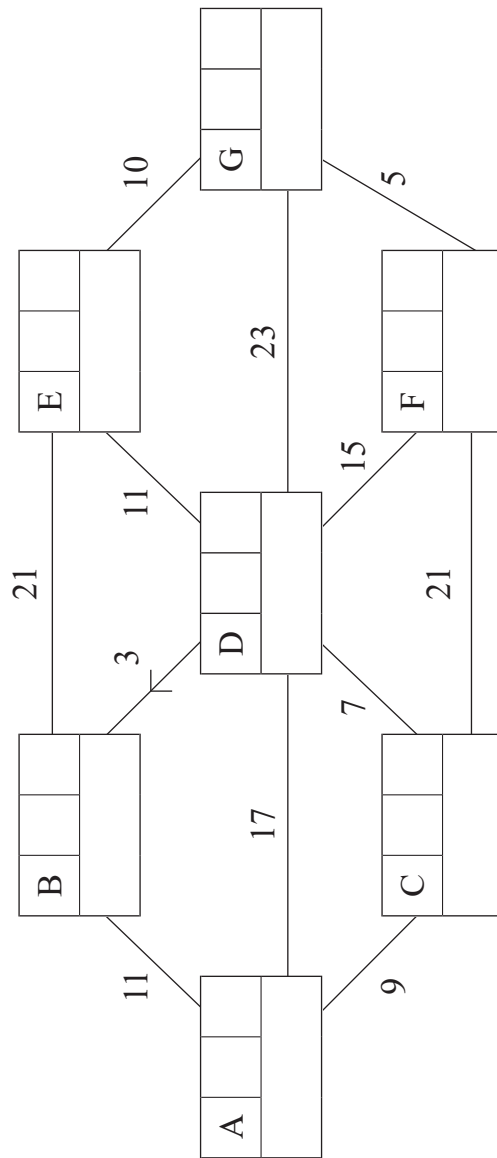


Question Number

SECTION D Discrete and Decision Mathematics

D3 (iii)

D3 (iv)



Key:

Town label	Order chosen	Minimum time from A
Temporary times (do not delete)		

Diagram 2



Question
Number

SECTION D Discrete and Decision Mathematics

D4 (i)





Question
Number

SECTION D Discrete and Decision Mathematics

D4 (ii)

A large rectangular area with horizontal dotted lines for writing answers.





Question
Number

SECTION D Discrete and Decision Mathematics

D5 (iii)

Dotted lines for writing the answer to question D5 (iii).

D5 (iv)

Dotted lines for writing the answer to question D5 (iv).

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