



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Leaving Certificate Examination 2024

Geography

Part One and Answerbook

Higher Level

2 hours 50 minutes

400 marks

Examination Number

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Date of Birth

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For example, 3rd February
2005 is entered as 03 02 05

Centre Stamp

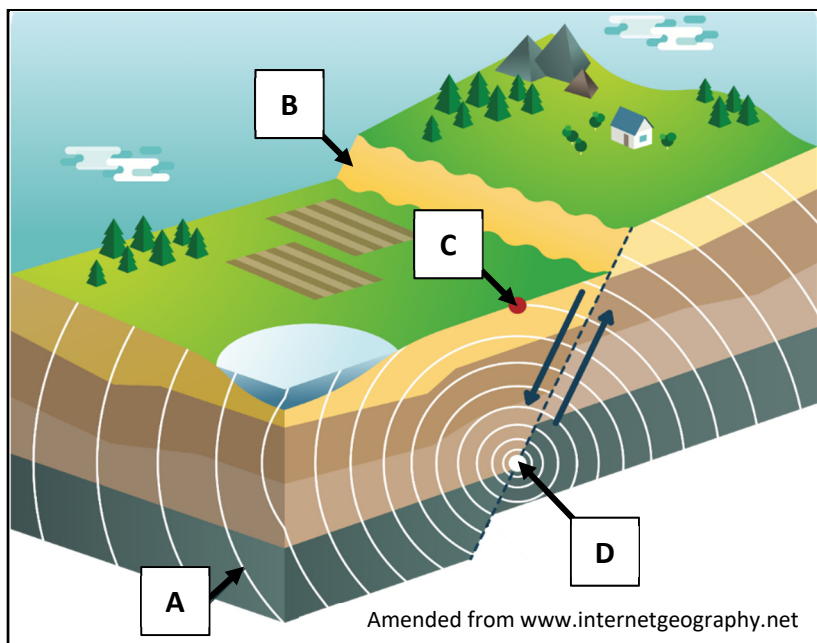
PART ONE – SHORT-ANSWER QUESTIONS – 80 MARKS

Attempt any **TEN** questions.

All questions carry equal marks.

THESE QUESTIONS ARE TO BE ANSWERED IN THE SPACES PROVIDED

1. Landscape Identification



Examine the diagram above and answer the following questions.

- (i) Match each of the letters, **A**, **B**, **C** and **D** in the diagram above with the term that best matches it in the table below.

Term	Letter
Fault scarp	
Focus	
Epicentre	
Seismic wave	

Answer the questions below by ticking (✓) the correct box for each.

- (ii) What is the instrument used to measure the strength of an earthquake known as?
 Barograph Tiltmeter Seismograph
- (iii) Which of the following types of fault is shown in the diagram above?
 Normal Fault Reverse Fault Transverse Fault

[8m]

2. Physical Processes



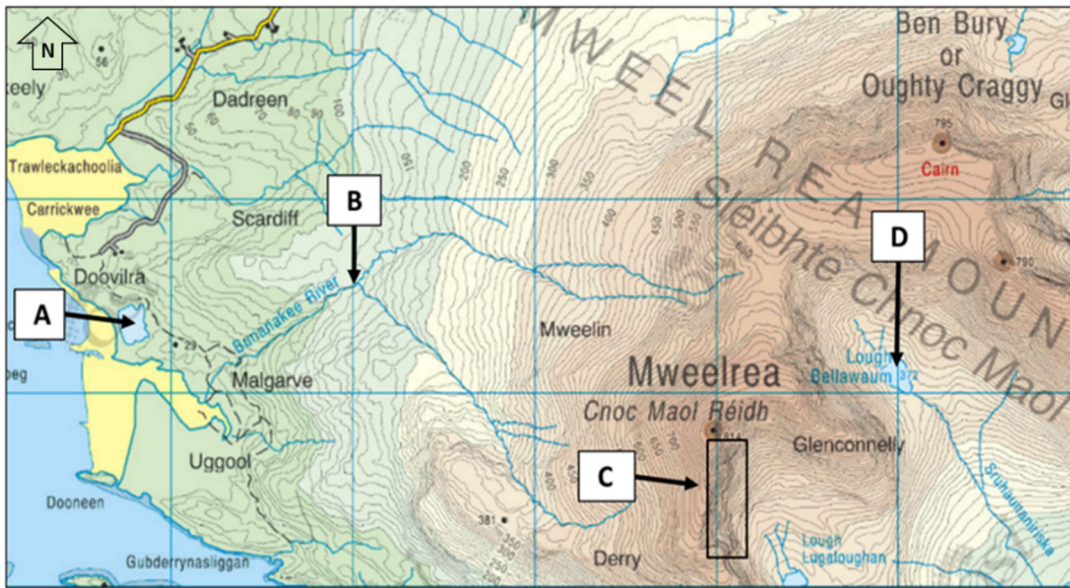
Examine the photographs above and answer the following questions.

- (i) Match each of the photographs, **A**, **B**, **C** and **D** with the process that best matches it in the table below.
- (ii) Indicate, by ticking (✓) the correct box, whether each of the processes in the table below is most associated with a coastal, fluvial, or mass movement setting.

Q.2 (i)	Process	Q.2 (ii)		
Letter		Coastal (✓)	Fluvial (✓)	Mass Movement (✓)
	Slumping			
	Compression			
	Braiding			
	Avalanche			

[8m]

3. Landscape Identification



Amended from www.scoilnetmaps.ie

Examine the 1:50 000 Ordnance Survey map extract above and answer the following questions.

- (i) Match each of the features, **A**, **B**, **C** and **D** on the map with the term that best matches it in the table below.

Term	Letter
Arête	
Lagoon	
Corrie lake/tarn	
Confluence	

- (ii) In which direction is the river flowing from the feature labelled **D**?

- (iii) Which of the following processes is primarily involved in the formation of the feature labelled **A**?

Tick (✓) the correct box.

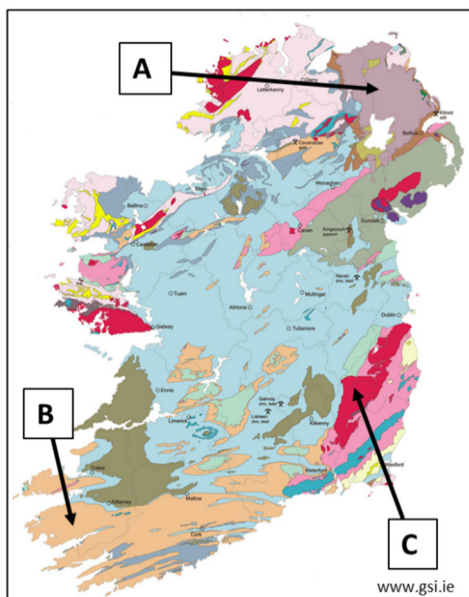
Glacial

Fluvial

Coastal

[8m]

4. Rocks in Ireland



Examine the map of Ireland and the photographs of rocks above and answer the following questions.

- (i) Match each of the locations on the map, **A**, **B** and **C** with the example of the rock in the table below which is most associated with it.
- (ii) Match each of the photographs, **1**, **2** and **3** with the example of the rock in the table below that best matches it.

Q.4 (i)	Example of Rock	Q.4 (ii)
Location (Letter)		Photograph (Number)
	Sandstone	
	Granite	
	Basalt	

- (iii) Name the metamorphic rock that is formed when sandstone is changed through great heat and pressure.

[8m]

5. Concept of a Region

Complete the table below by matching each of the examples of regions in the list, with the type of region most associated with it in the table.

Examples of Regions:

Cool Temperate Oceanic

Mezzogiorno

Gaeltacht

Wicklow County Council

The Antrim-Derry Plateau

The Paris Basin

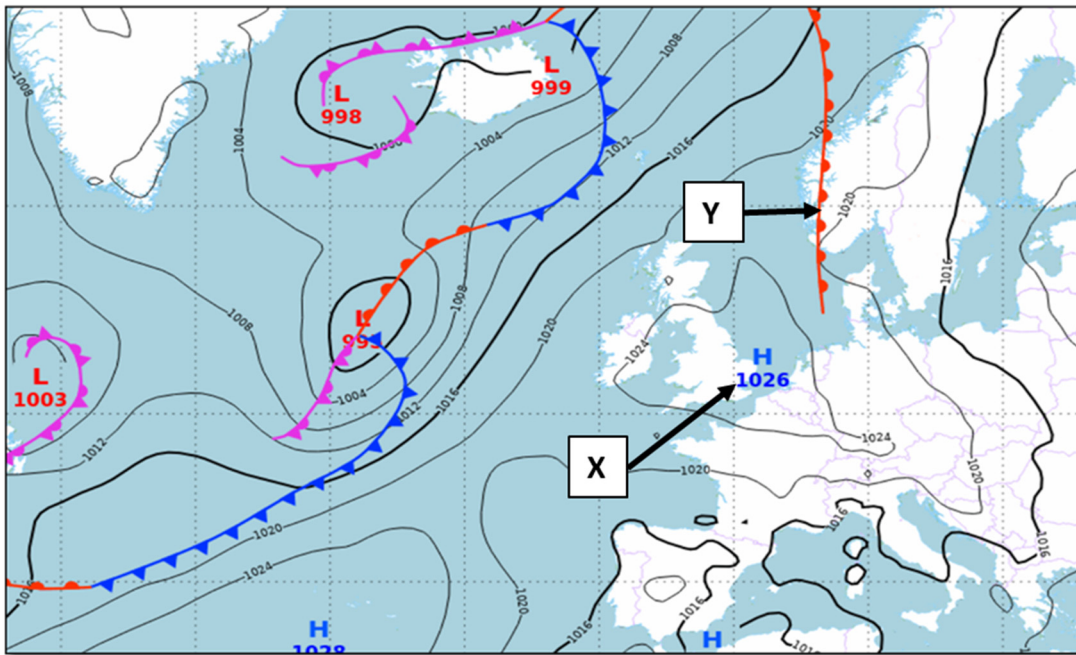
Pas de Calais Department

Munich

Type of Region	Example of Region
Climatic region	
Geomorphological region	
Administrative region in Ireland	
Core region	
Urban region	
Cultural region in Ireland	
Peripheral region	
Administrative region in France	

[8m]

6. Weather Map



Amended from www.met.ie

Examine the weather map above and answer each of the following questions. Indicate whether the following statements are true or false by ticking (✓) the correct box for each.

- | | True | False |
|--|--------------------------|--------------------------|
| (i) The barometric pressure over the area labelled X is 1026 hectopascals/millibars. | <input type="checkbox"/> | <input type="checkbox"/> |
| (ii) There is a cold front over the area labelled Y. | <input type="checkbox"/> | <input type="checkbox"/> |
| (iii) Ireland is experiencing strong winds. | <input type="checkbox"/> | <input type="checkbox"/> |
| (iv) Lines on a weather map that join areas of equal atmospheric pressure, are called isobars. | <input type="checkbox"/> | <input type="checkbox"/> |

[8m]

7. Map Skills

Examine the 1:50 000 Ordnance Survey map and legend accompanying this paper and answer the following questions.

- (i) What is the height, in metres, at the triangulation pillar at M 098 983?

- (ii) Measure the length, in kilometres, of the entire railway line.

- (iii) Name the type of forestry at M 10 97.

- (iv) Calculate the approximate area of the map extract, in square kilometres, to the south of the N5 National Primary Road.

[8m]

8. Aerial Photograph and Ordnance Survey Map

Examine the aerial photograph of Castlebar and the 1:50 000 Ordnance Survey map and legend accompanying this paper and answer the following questions.

- (i) In what direction was the camera pointed when the aerial photograph was taken?

- (ii) Which of the following lakes can be seen in the right background of the aerial photograph? Tick (✓) the correct box.

Lough Mallard Saleen Lough Tuckers Lough

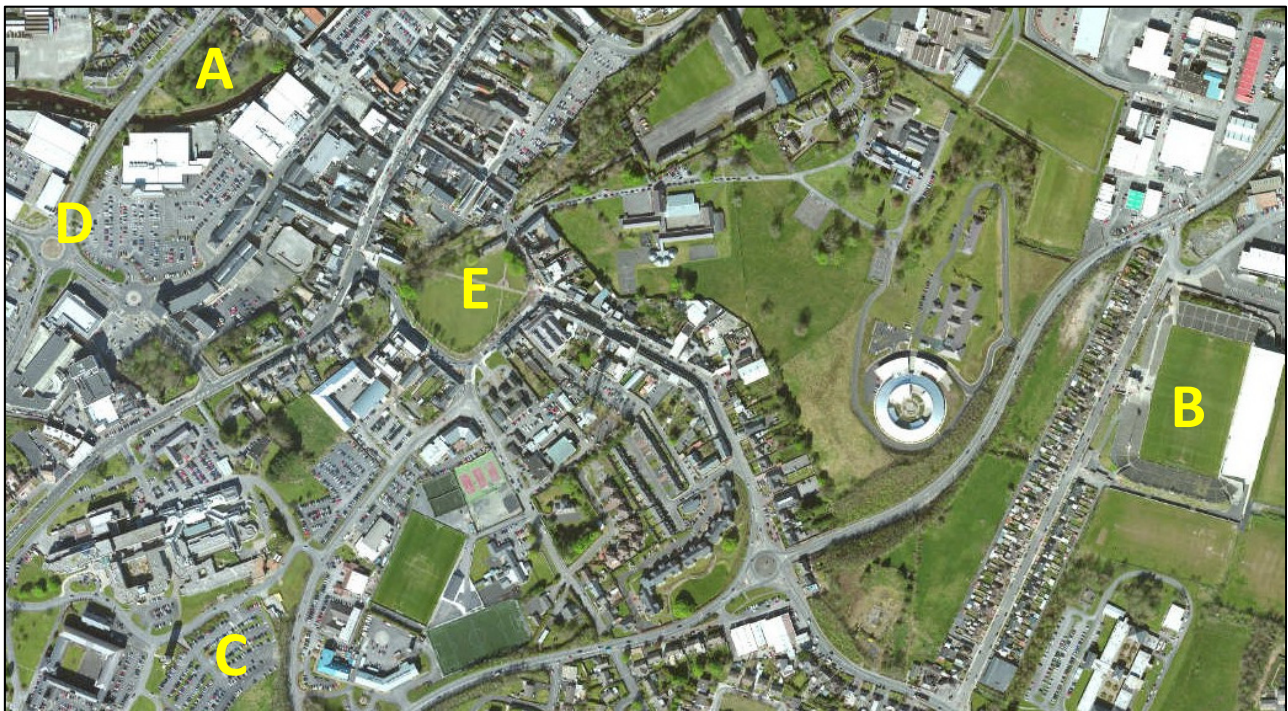
- (iii) Give a six-figure grid reference for the large church in the left foreground of the aerial photograph.

- (iv) What is the name of the river that can be seen running through the foreground of the aerial photograph?

[8m]

9. Aerial Photographs

Examine the oblique aerial photograph of Castlebar accompanying this paper and the vertical aerial photograph of Castlebar below.



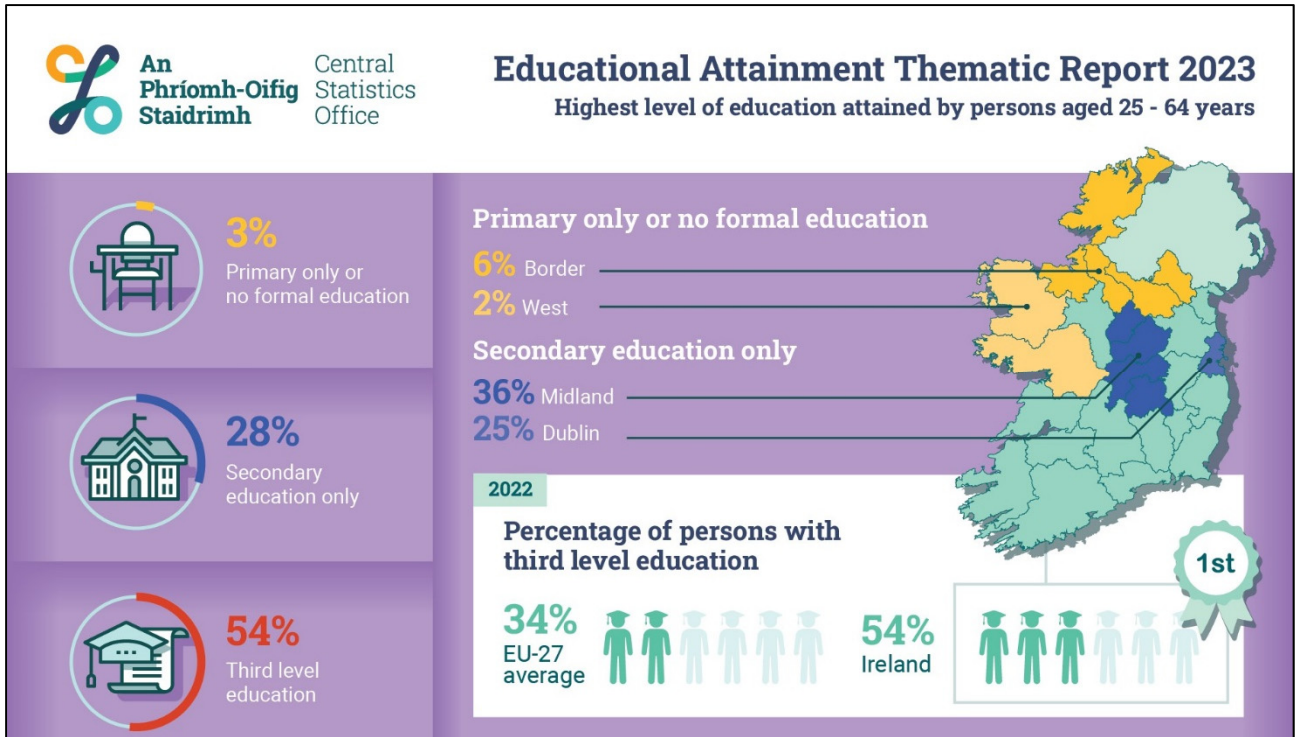
Locate each of the features labelled **A**, **B**, **C**, **D** and **E** above, on the aerial photograph accompanying this paper.

Using accepted notation, give the location on the aerial photograph of each of these features in the table below. One has been completed for you.

Feature on Vertical Aerial Photograph	Location on Oblique Aerial Photograph supplied separately
A Wooded area	Centre foreground
B Sports pitch with stadium	
C Car park	
D Roundabout	
E Park	

[8m]

10. Graphical Interpretation



Examine the infographic above showing the highest levels of education attained by people aged 25-64 in Ireland and answer the following questions.

- (i) What percentage of people aged between 25 and 64 years had primary only or no formal education?

- (ii) What percentage of people in Dublin aged between 25 and 64 years attained secondary school education only?

- (iii) Was Ireland's percentage of people with third level education above or below the EU-27 average?

- (iv) Briefly explain **one** benefit for Ireland of having a high percentage of people with a third level education.

[8m]

11. Statistical Interpretation

Human Development Index (HDI) in Selected Countries

Country	Life expectancy at birth (years)	Mean years of schooling	Gross National Income per capita (\$)
Ireland	82.0	11.6	\$76,169
Poland	76.5	13.2	\$33,034
Mexico	70.2	9.2	\$17,896
India	67.2	6.7	\$6,590
South Sudan	55.0	5.7	\$768

U.N. Development Reports 2021

Examine the Human Development Index statistics above and answer the following questions.

- (i) Which country has a life expectancy at birth of 76.5 years?

- (ii) What is the mean number of years of schooling in India?

- (iii) Calculate the difference in income (\$) between the country with the highest and the country with the lowest Gross National Income per capita.

- (iv) Ireland has the highest rank in each of the three categories of the countries shown in the table above.

Tick (✓) the correct box.

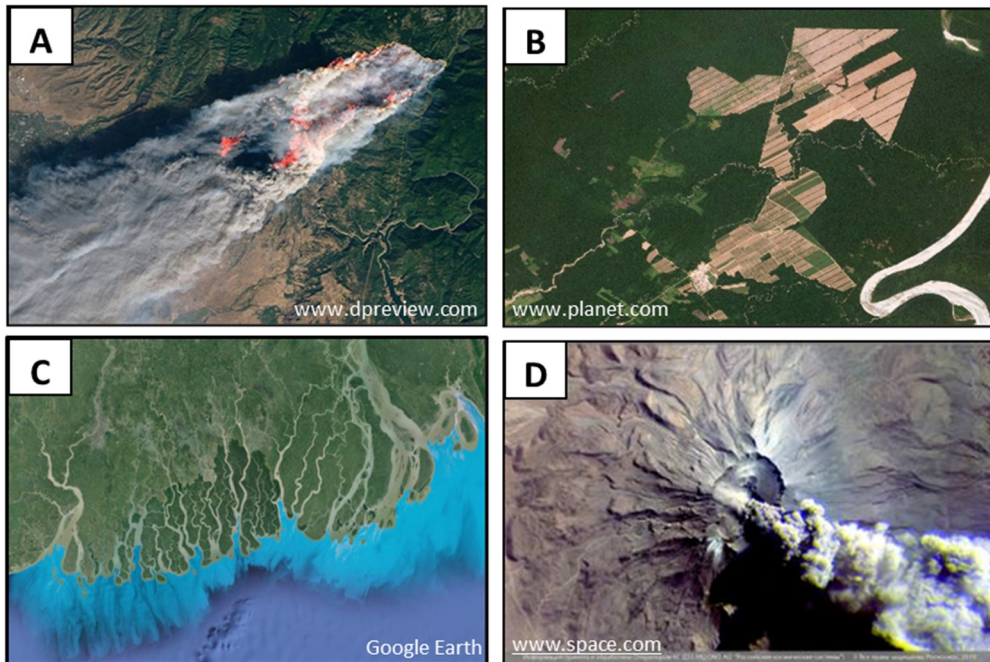
True

False

[8m]

12. Satellite Imagery

Examine the satellite images below and answer the following question.



Match each of the letters, **A**, **B**, **C** and **D** on the images with the description in the table below that best matches it.

Description	Letter
Deforestation	
Volcanic eruption	
Delta	
Forest fires	

[8m]

Answerbook for PART TWO

Instructions

Questions for **PART TWO** are supplied separately.

Start each question on a new page. Write the question number in the box at the top of each page.

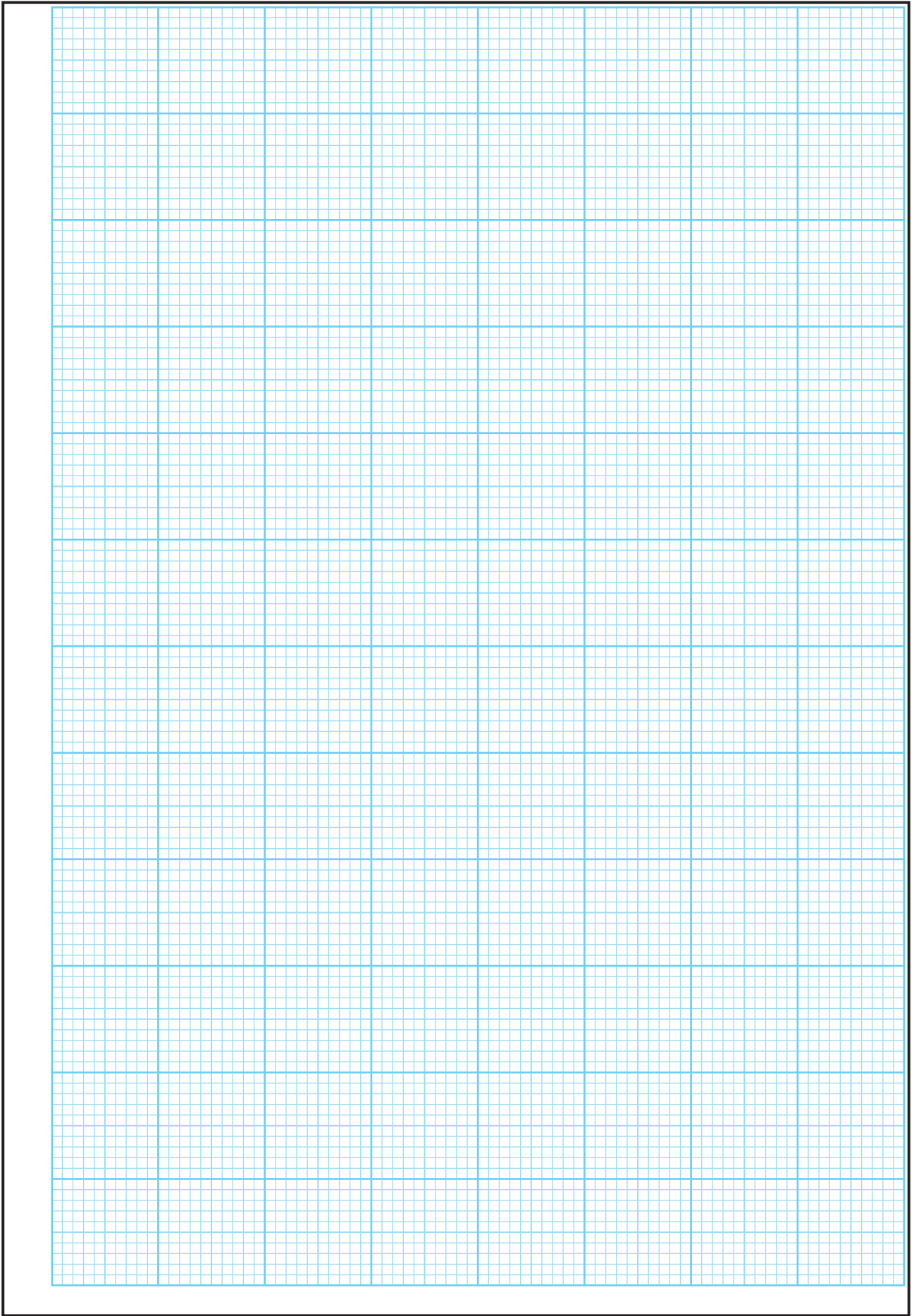
Use the left-hand column to label each part, as shown below.

	Question	<table border="1"><tr><td>0</td><td>4</td></tr></table>	0	4	Start each question on a new page
0	4				
Part					
(a)					
(b)(i)					
(b)(ii)					

Four pages of graph paper are provided on the next four pages of this answerbook. On pages with graph paper, the box for the question number is at the bottom of the page.

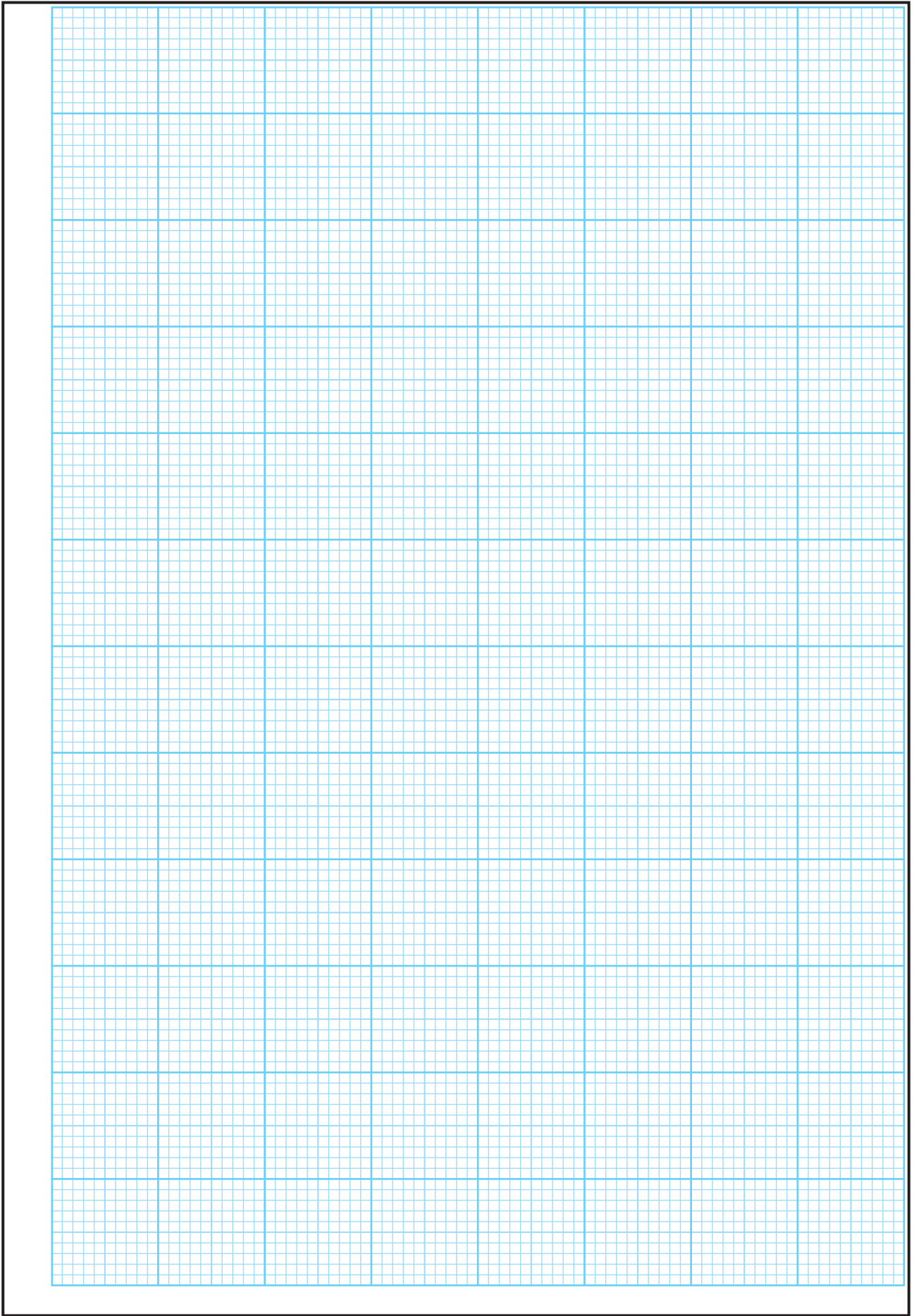
You do not need to use all of the pages in this answerbook. If you run out of space in this answerbook, you may ask the superintendent for more paper or graph paper.

Write your answers in blue or black pen. You may use pencil for sketches, graphs and diagrams only.



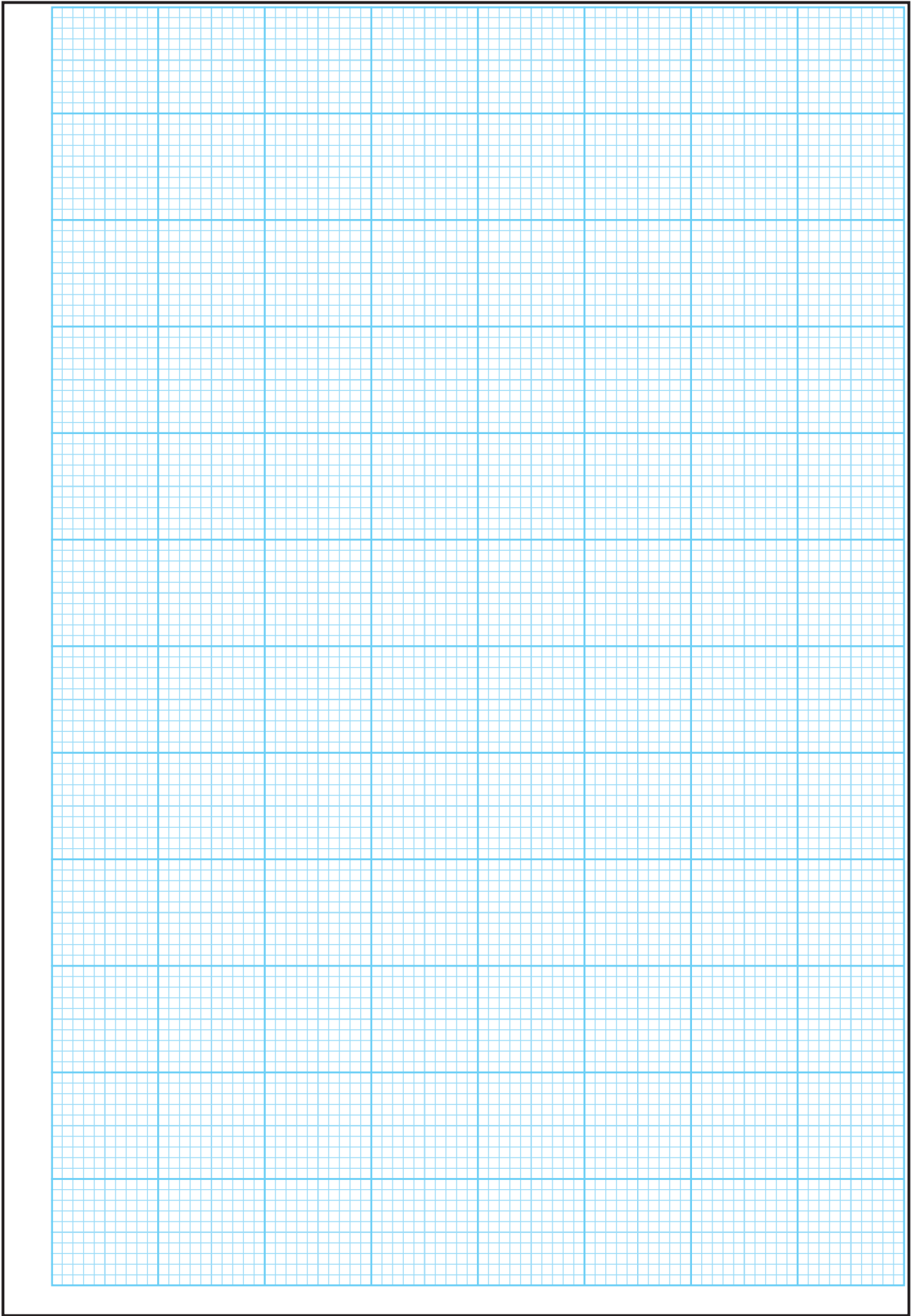
Question



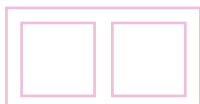


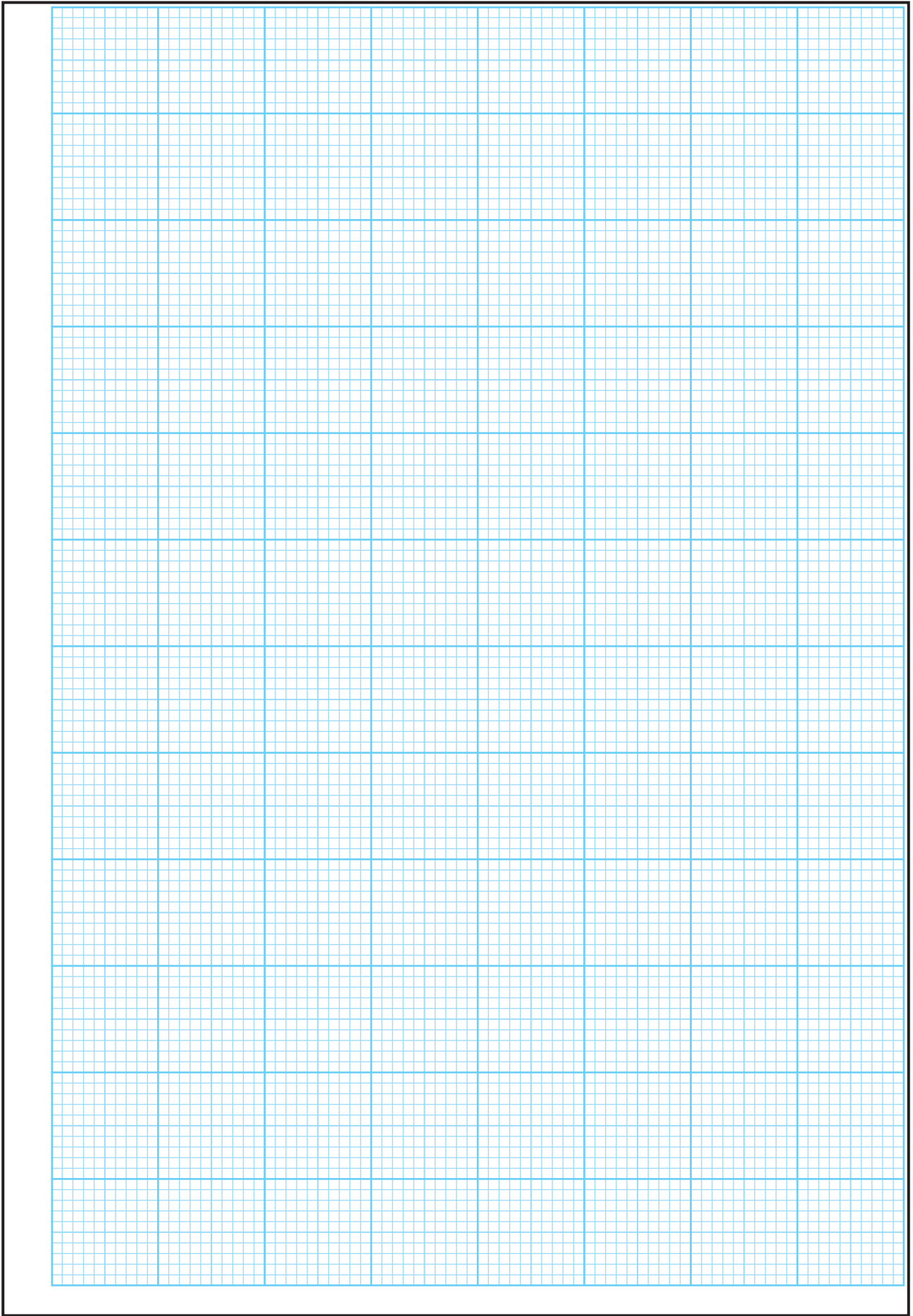
Question





Question





Question



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Leaving Certificate – Higher Level

Geography Part One and Answerbook

2 hours 50 minutes