



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Leaving Certificate Examination 2025

Geography

Part One and Answerbook

Higher Level

Friday 6 June Morning 9:30 - 12:20

400 marks

Examination Number

----------------------	----------------------	----------------------	----------------------	----------------------	----------------------

Date of Birth

		/			/		
----------------------	----------------------	---	----------------------	----------------------	---	----------------------	----------------------

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

Centre Stamp

--

Instructions

Write your Examination Number and your Day and Month of Birth in the boxes on the front cover.

Write your answers to all parts of the examination into this answerbook. This answerbook will be scanned and your work will be presented to an examiner on screen. Anything that you write outside of the answer areas may not be seen by the examiner.

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

There are two parts to this examination. Questions for **PART TWO** are supplied separately but your answers must be written in this answerbook.

PART ONE	Short-Answer Questions	80 marks
-----------------	------------------------	-----------------

Attempt any **TEN** questions.

All questions carry equal marks.

PART TWO	Structured and Essay Questions	320 marks
-----------------	--------------------------------	------------------

You must attempt **FOUR** questions. This must include one question from three of the sections below:

- Section 1: **Patterns and Processes in the Physical Environment** (Questions 1-3)
- Section 2: **Regional Geography** (Questions 4-6)
- Section 3: **Electives** (Questions 7-12)
- Section 4: **Options** (Questions 13-24)

The fourth question can be from any section.

All questions carry equal marks.

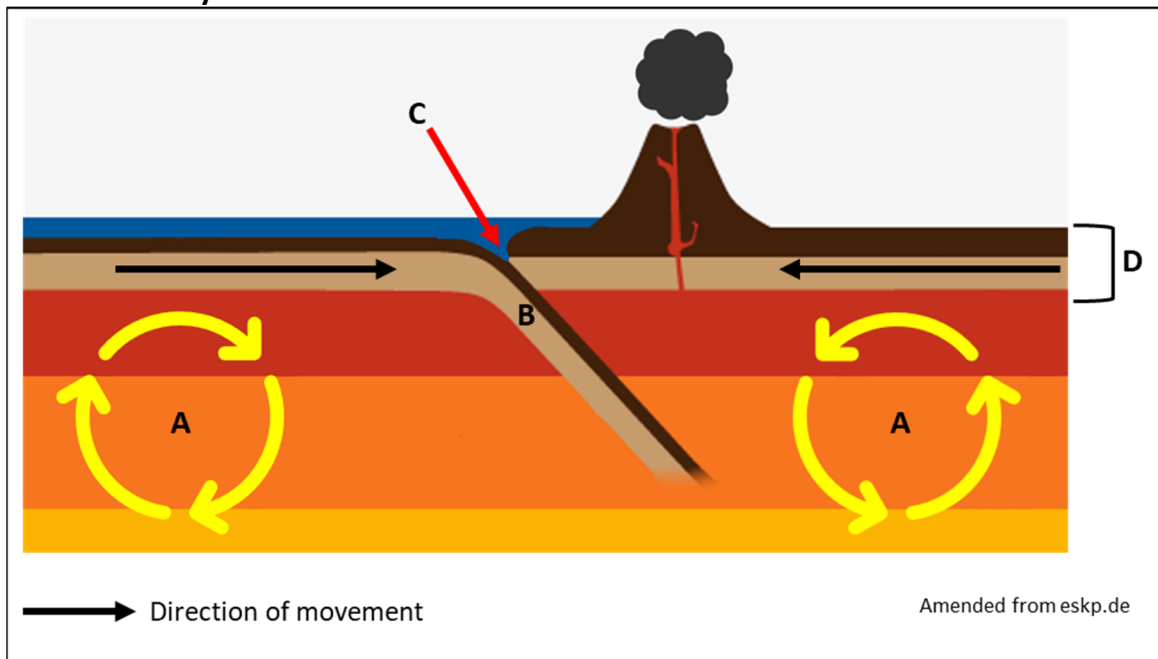
PART ONE – SHORT-ANSWER QUESTIONS – 80 MARKS

Attempt any **TEN** questions.

All questions carry equal marks.

THESE QUESTIONS ARE TO BE ANSWERED IN THE SPACES PROVIDED

1. The Tectonic Cycle



Examine the diagram above showing tectonic activity and answer each of the following questions.

(i) What type of current is shown at **A**?

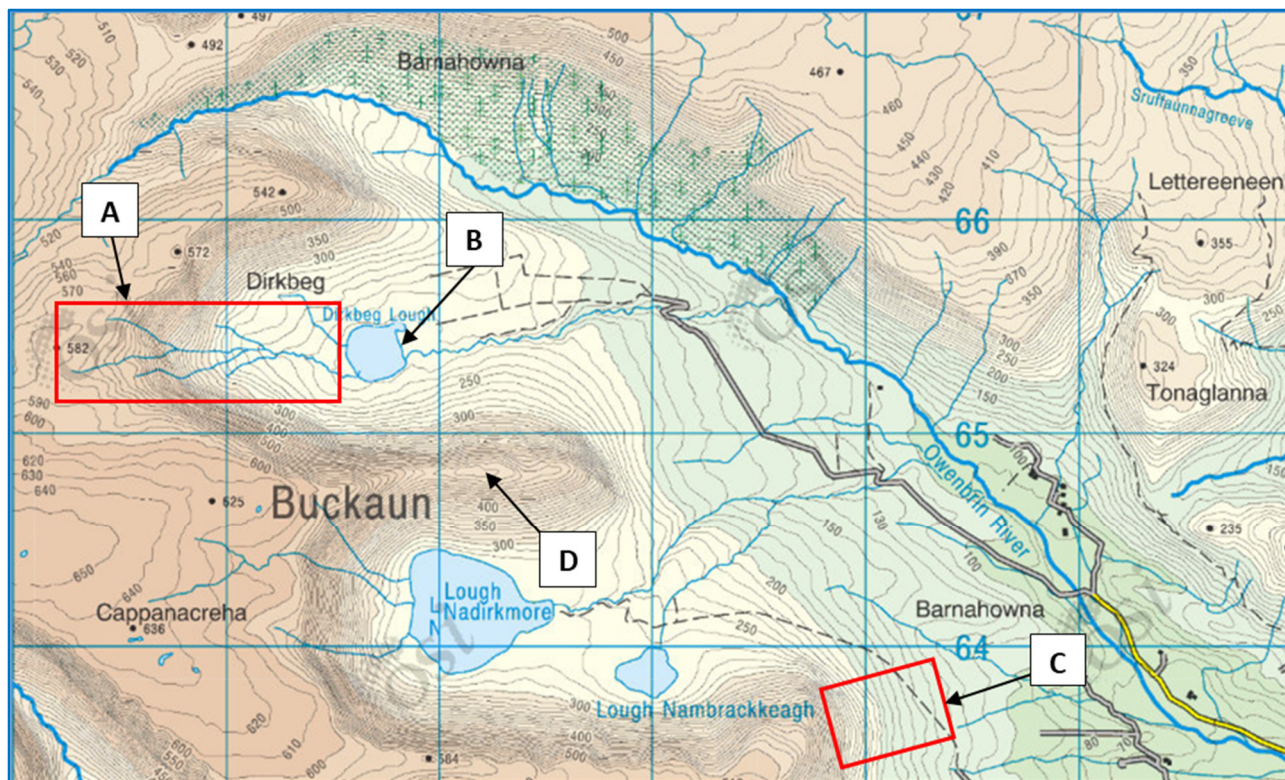
(ii) Name the process occurring at **B**.

(iii) Name the feature that is formed at the meeting point of the two plates, shown at **C**.

(iv) Name the layer of the earth at **D**, comprising of the upper mantle and crust.

[8m]

2. Feature Identification



Amended from OSI

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

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

Term	Letter
Tarn	
Arête	
Dendritic Drainage	
Concave Slope	

- (ii) State whether each of the following statements is true or false by ticking (✓) the correct box.

- (a) Eskers are features formed by fluvio-glacial deposition.

True ☐

False ☐

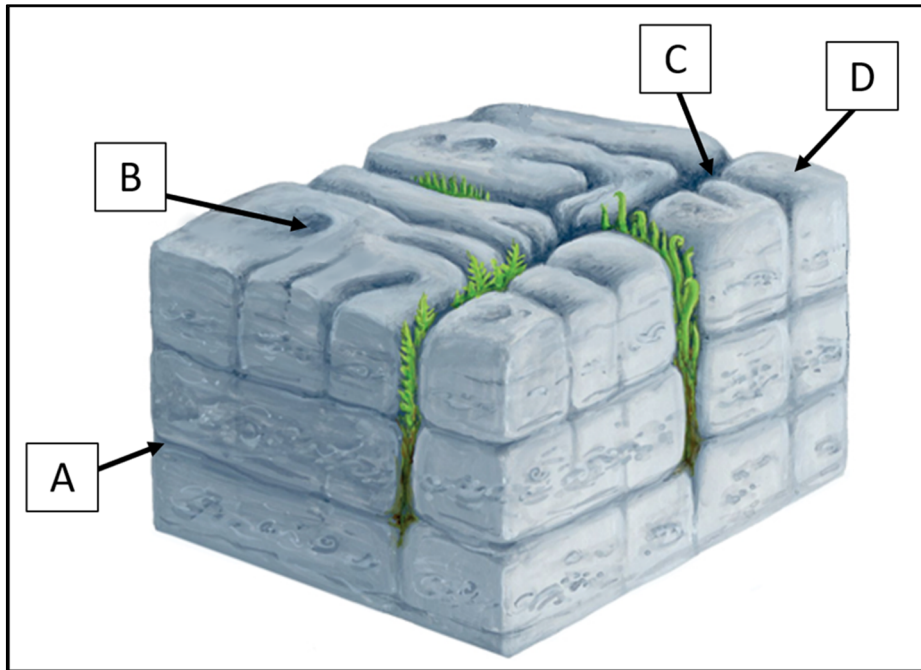
- (b) Deranged drainage patterns are common in areas of glacial deposition.

True ☐

False ☐

[8m]

3. Karst Landscape



Amended from dalesrocks.org

Examine the diagram of a karst landscape above and answer each of the following questions.

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

Feature	Letter
Bedding plane	
Clint	
Karren	
Grike	

- (ii) Name **one** form of chemical weathering.

- (iii) State what is meant by the term *permeable rock*.

[8m]

4. Rocks

The word box below contains source materials of rocks, igneous/sedimentary rocks and metamorphic rocks. Examine the word box and answer each of the following questions.

Molten rock	Marble	Quartzite
Sandstone	Basalt	Limestone
Shells and fishbones	Schist	Sand

- (i) Complete the table below by inserting the most appropriate term from the word box into each of the rows. Use each term only once. The first row has been completed for you.

Source Material	Igneous/Sedimentary Rock	Metamorphic Rock
Shells and fishbones	Limestone	Marble

- (ii) State **two** factors that cause rocks to become metamorphosed.

1.
2.

[8m]

5. Mass Movement



Examine the photographs above and answer each of the following questions.

- (i) Match each of the photographs **A**, **B**, **C** and **D** with the processes of mass movement that best matches it in the table below.

Process	Letter
Soil Creep	
Rockfall	
Avalanche	
Lahar	

- (ii) State any **two** factors that influence the operation of mass movement processes.

1.
2.

[8m]

6. Concept of a Region

Examine the information below in the word box relating to types, examples and general locations of regions.

Complete the table below by inserting the most appropriate term from the word box, in the space that best matches it in the table. One row has been completed for you.

Paris Basin	Italy	Leinster
Co. Kerry	France	Germany
Ruhr Valley	Rome	Wicklow Mountains

Type of Region	Specific Example of Region	General Location
Urban region	Rome	Italy
Cultural region (Language)		
Region of Industrial Decline		
Geomorphological region		
Core Region		

[8m]

7. Map Skills

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

- (i) Give a six-figure grid reference for the Independent Holiday Hostel in Oughterard.

- (ii) Calculate the approximate area (in km²) of Lough Corrib shown on the map extract.

- (iii) Measure the length (in km) of the Dismantled Railway from M 150 402 to where it meets Easting 08 at M 080 416.

- (iv) What type of cultural area can be found west of Easting 06, bordered by the yellow highlighted line?

[8m]

8. Aerial Photograph and Ordnance Survey Map

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

- (i) Name the river shown on the aerial photograph.

- (ii) Give a six-figure grid reference for the church that is located in the centre foreground of the aerial photograph.

- (iii) Name the main road that runs from the left foreground through the centre middleground of the aerial photograph.

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

[8m]

9. Aerial Photograph

Examine the aerial photograph of Oughterard accompanying this paper and the Google Street View images below from the same area of Oughterard.

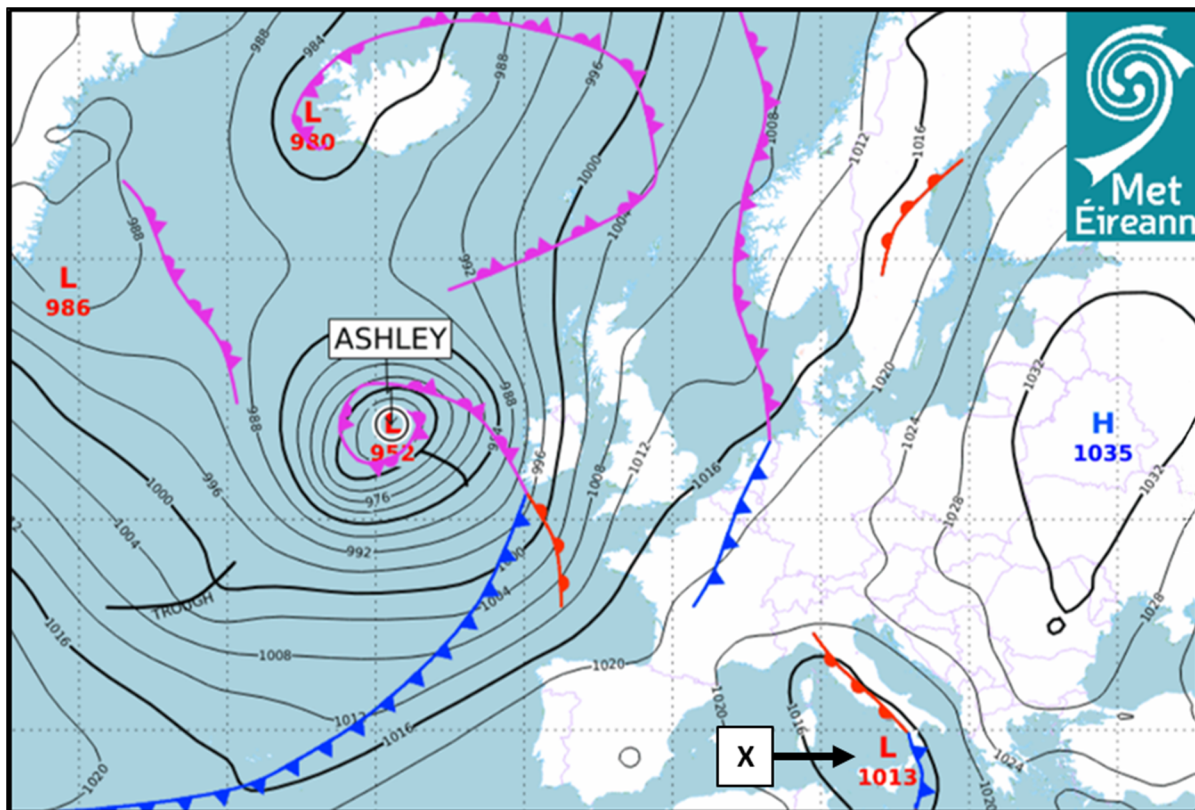


Using accepted notation, give the location on the aerial photograph of each of the areas shown in the images **A**, **B**, **C** and **D** in the table below.

Google Street View Image	Location on the Aerial Photograph
A	
B	
C	
D	

[8m]

10. Weather



Examine the Met Éireann Surface Analysis Chart above showing Storm Ashley (2024) and answer each of the following questions.

- (i) What is the pressure (in hPa/mb) at the centre of the low pressure system at X?

- (ii) State whether the following statement is true or false by ticking (✓) the correct box.
Eastern Europe is forecast to have high precipitation levels and strong winds.

True ☐

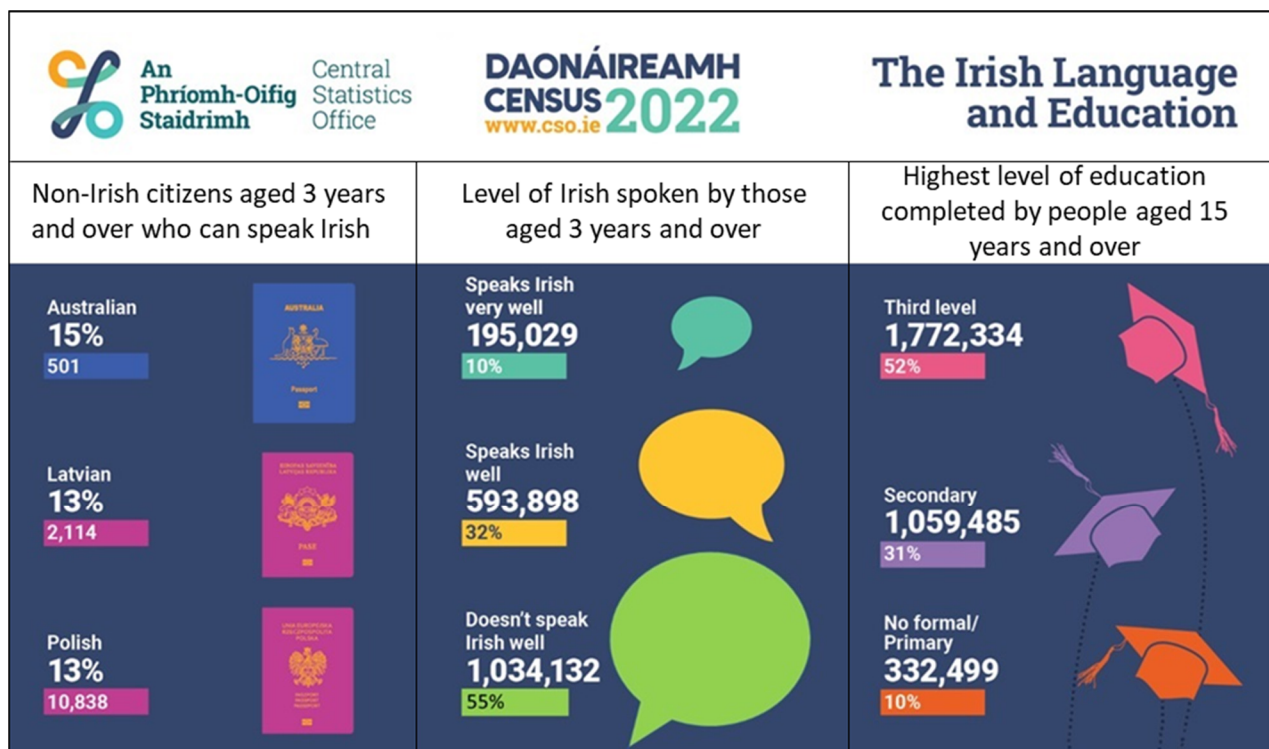
False ☐

- (iii) What is the name given to the lines on a weather chart that join places of equal pressure?

- (iv) Name the type of weather front around Storm Ashley.

[8m]

11. Graphical Interpretation



Examine the infographic above on The Irish Language and Education, from Census 2022, and answer each of the following questions.

- (i) Which nationality shows the highest percentage of non-Irish citizens who can speak Irish?

- (ii) How many people responded that they don't speak Irish well?

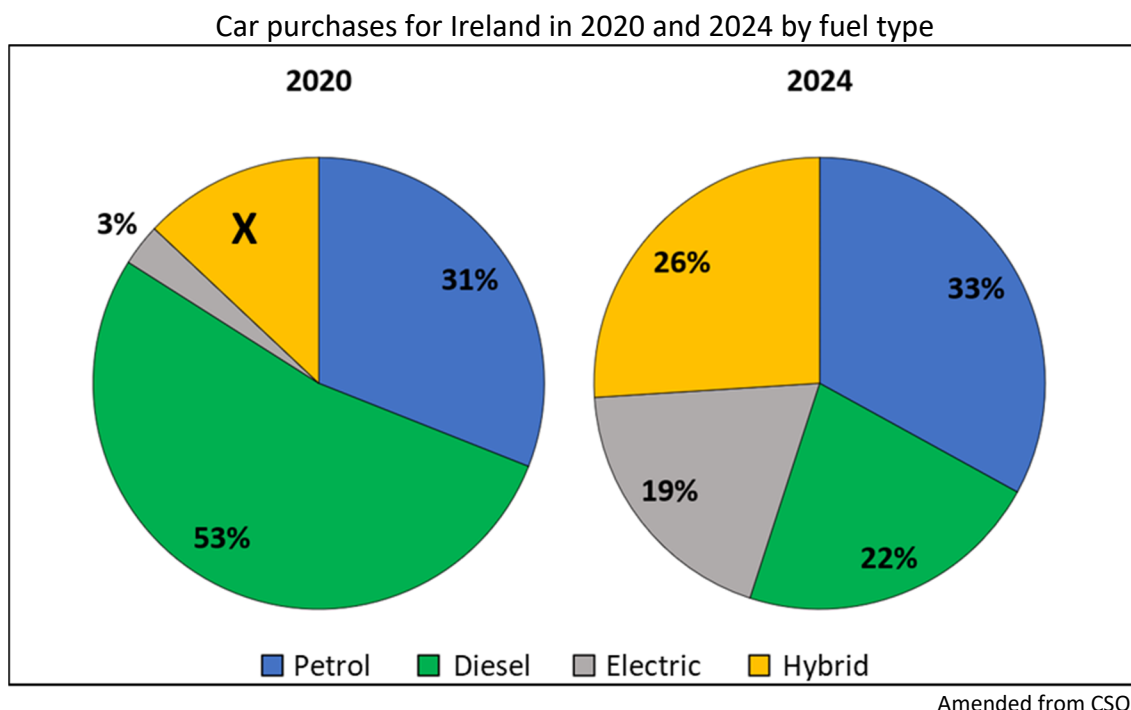
- (iii) The Census in 2022 found Ireland's total population to be 5,149,139.

Calculate the percentage of Ireland's total population who have completed third level education.

- (iv) State **one** way that the Irish government could encourage the speaking of Irish.

[8m]

12. Graphical Interpretation



Examine the pie charts above showing car purchases for Ireland in 2020 and 2024 by fuel type and answer each of the following questions.

- (i) What percentage (%) of cars purchased in 2020 were electric?

- (ii) Calculate **X**, the percentage (%) of hybrid cars purchased in 2020.

- (iii) State whether the following statement is true or false by ticking (✓) the correct box.

Diesel is the only fuel type that shows a decline in purchases from 2020 to 2024.

True ☐

False ☐

- (iv) Explain briefly **one** way to encourage increased electric car ownership.

[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.

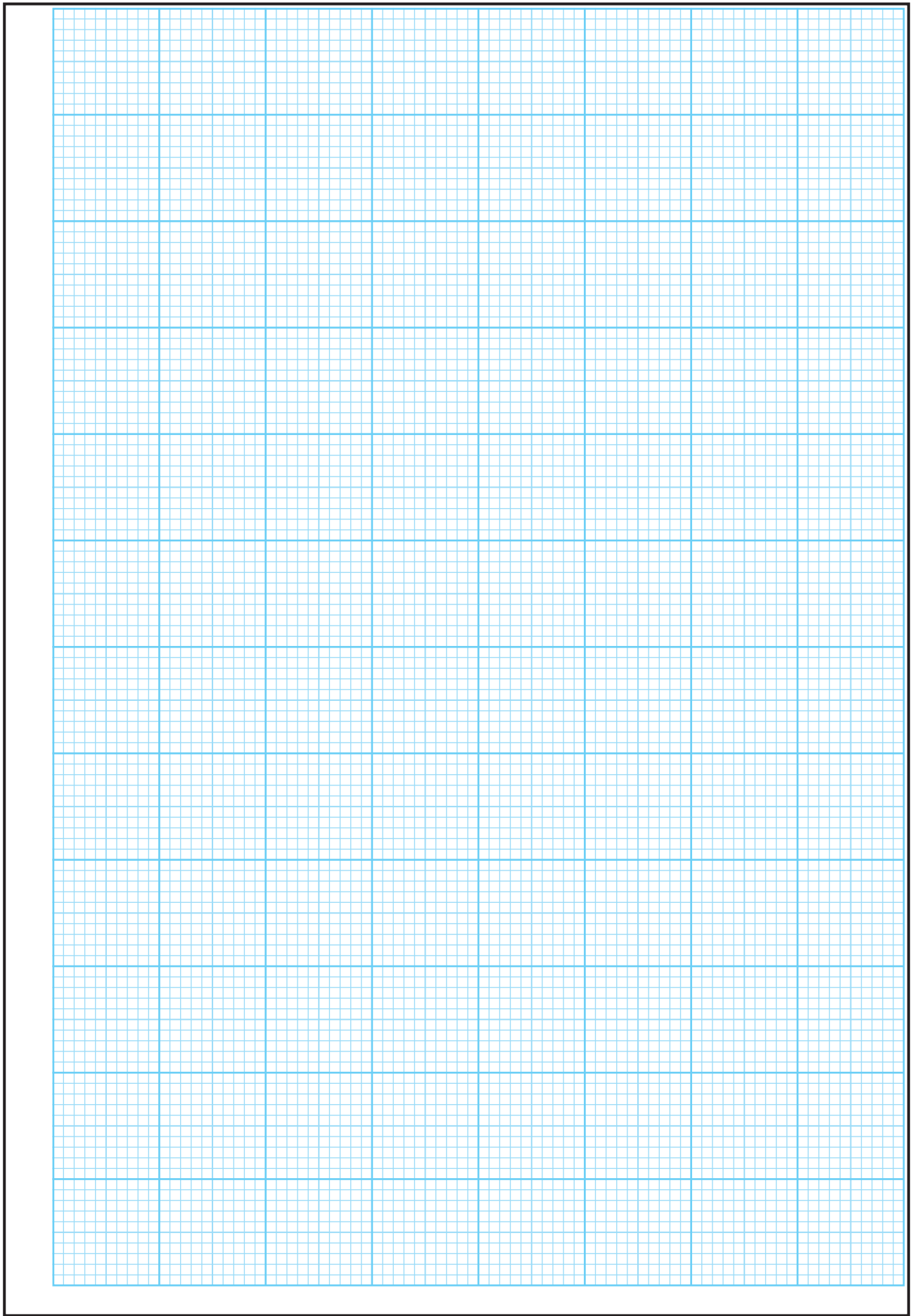
Use the left-hand column to label each part, as shown below.

Question		0 4	Start each question on a new page
Part			
(a)			
(b)(i)			
(b)(ii)			

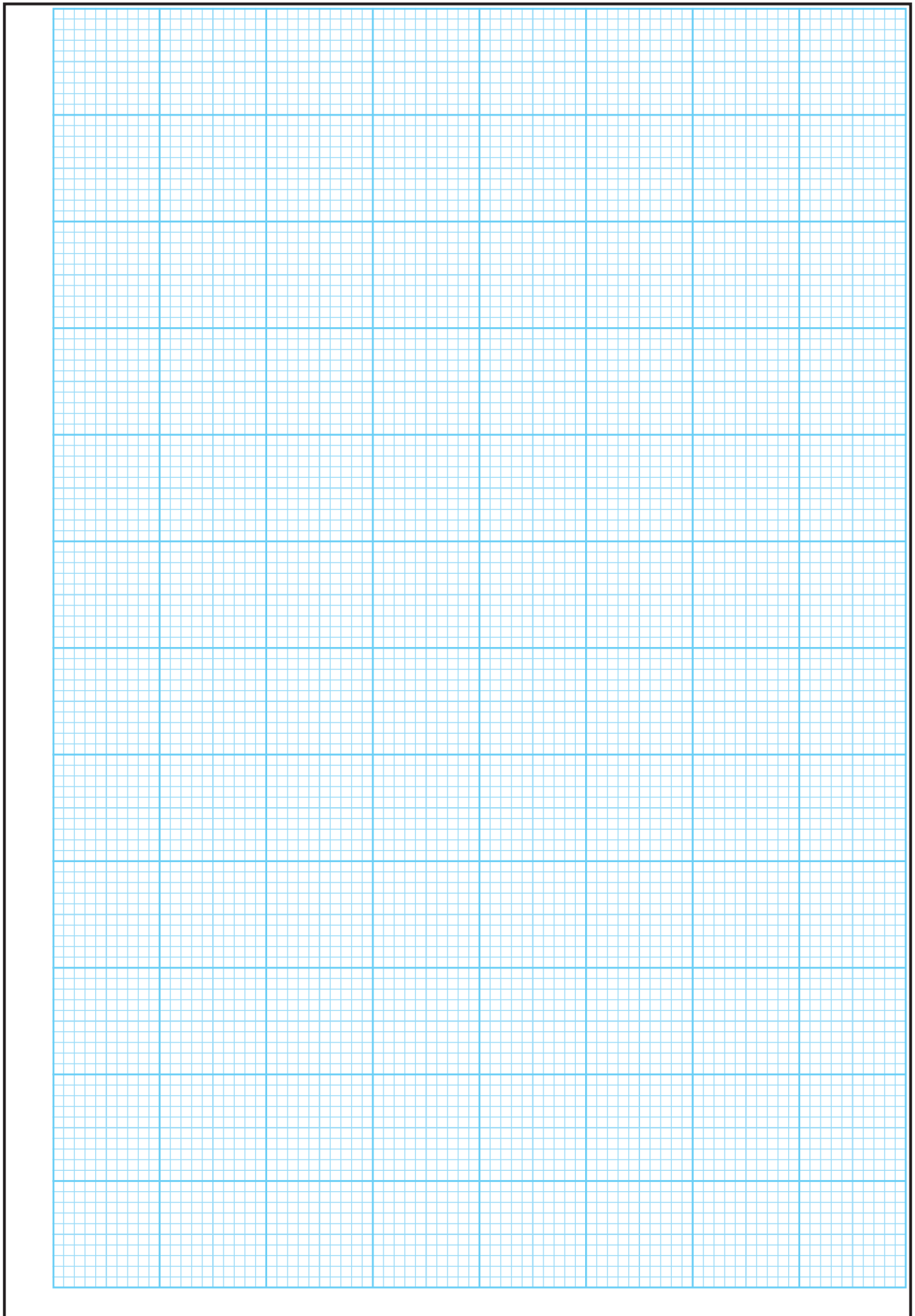
Four pages of graph paper are provided on the next four pages of this answerbook. On pages with graph paper, the box for the question number is at the bottom of the page.

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.

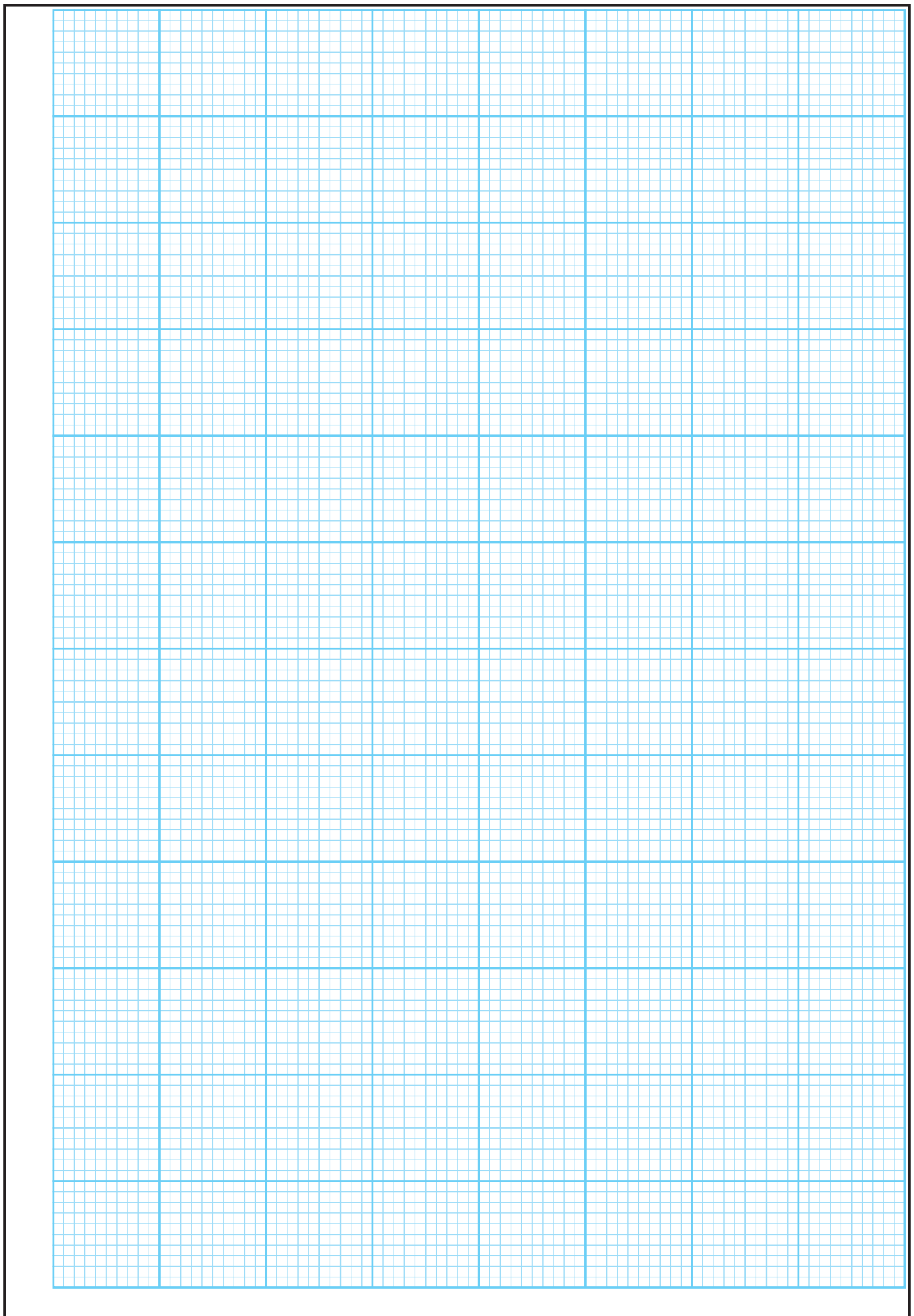


Question



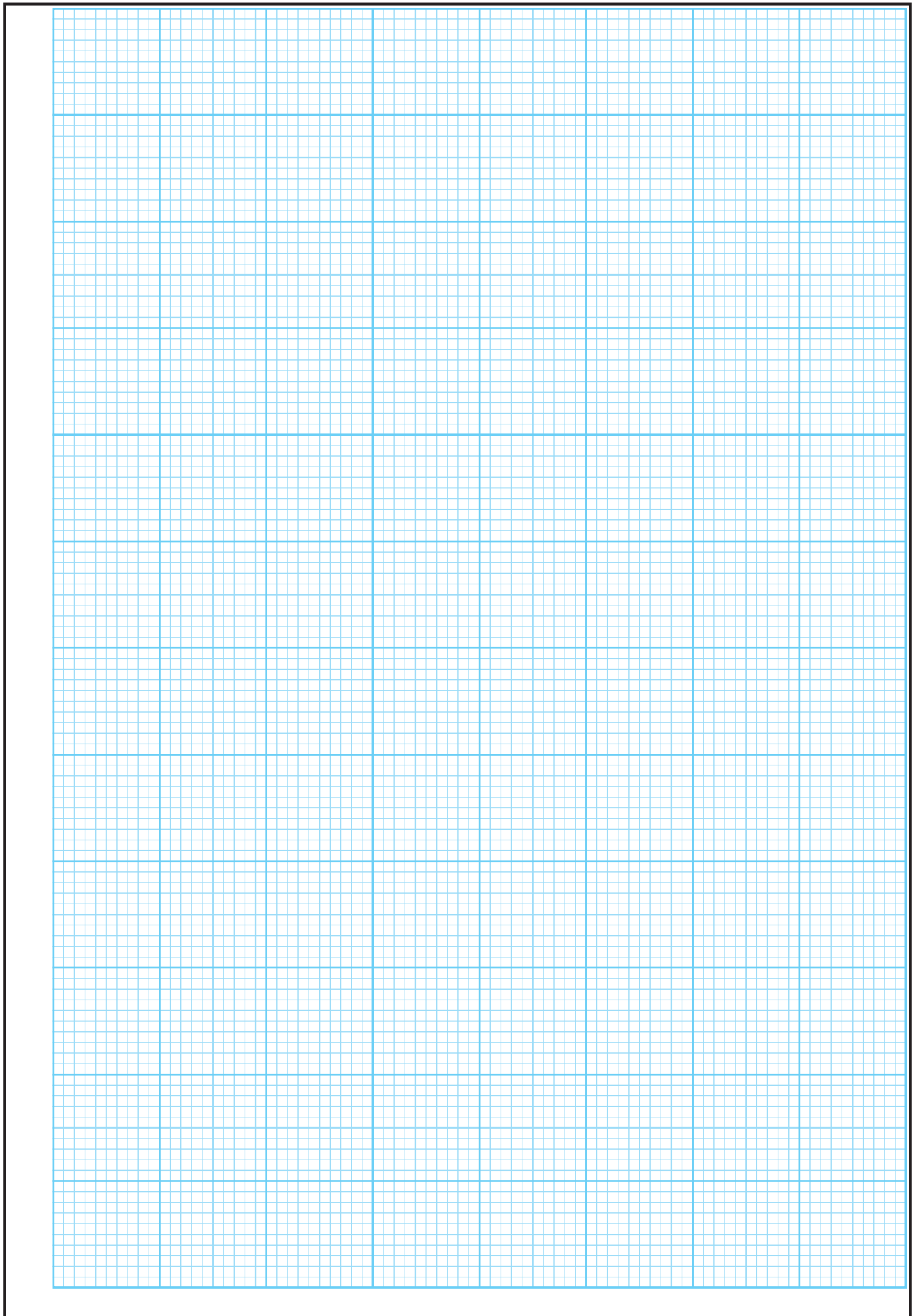
Question

☐☐



Question

☐☐



Question

Part

[illegible]

--	--

Part

[illegible]

Part

[illegible]

--	--

Part

[illegible]

--	--

Part

[illegible]

Part

[illegible]

Part

[illegible]

Part

[illegible]

Part

[illegible]

Part

[illegible]

--	--

Part

[illegible]

--	--

Part

[illegible]

Part

[illegible]

Part

[illegible]

--	--

Part

[illegible]

Part

[illegible]

Part

[illegible]

Part

[illegible]

--	--

Part

[illegible]

--	--

Part

[illegible]

Part

[illegible]

--	--

Part

[illegible]

Part

[illegible]

Part

[illegible]

Part

[illegible]

--	--

Part

[illegible]

--	--

Part

[illegible]

Part

[illegible]

--	--

Part

[illegible]

Do not write on this page

Copyright notice

This examination paper may contain text or images for which the State Examinations Commission is not the copyright owner, and which may have been adapted, for the purpose of assessment, without the authors' prior consent. This examination paper has been prepared in accordance with Section 53(5) of the *Copyright and Related Rights Act, 2000*. Any subsequent use for a purpose other than the intended purpose is not authorised. The Commission does not accept liability for any infringement of third-party rights arising from unauthorised distribution or use of this examination paper.

Leaving Certificate – Higher Level

Geography Part One and Answerbook

Friday 6 June

Morning 9:30 - 12:20