



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Leaving Certificate Examination 2020

Geography

Part One and Answerbook

Ordinary Level

Two hours and 50 minutes

400 marks

Examination Number

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Day and Month of Birth

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For example, 3rd February
is entered as 0302

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	100 marks
	Attempt any TEN questions.	
	All questions carry equal marks.	

PART TWO	Structured Questions	300 marks
	You must attempt THREE questions, as follows:	
	TWO questions from Section 1 – Core	
	➤ One question from Questions 1, 2 and 3 (100 marks)	
	And	
	➤ One question from Questions 4, 5 and 6 (100 marks)	
	ONE question from Section 2 – Electives (100 marks)	

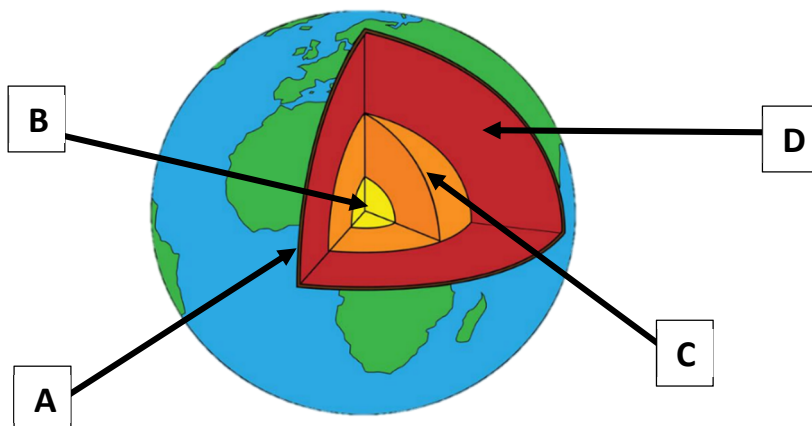
PART ONE – SHORT-ANSWER QUESTIONS – 100 MARKS

Attempt any **TEN** questions.

All questions carry equal marks.

THESE QUESTIONS ARE TO BE ANSWERED IN THE SPACES PROVIDED

1. Layers of the Earth



Amended from www.nationalgeographic.com

Examine the diagram above showing the different layers of the earth 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
Crust	
Inner Core	
Mantle	
Outer Core	

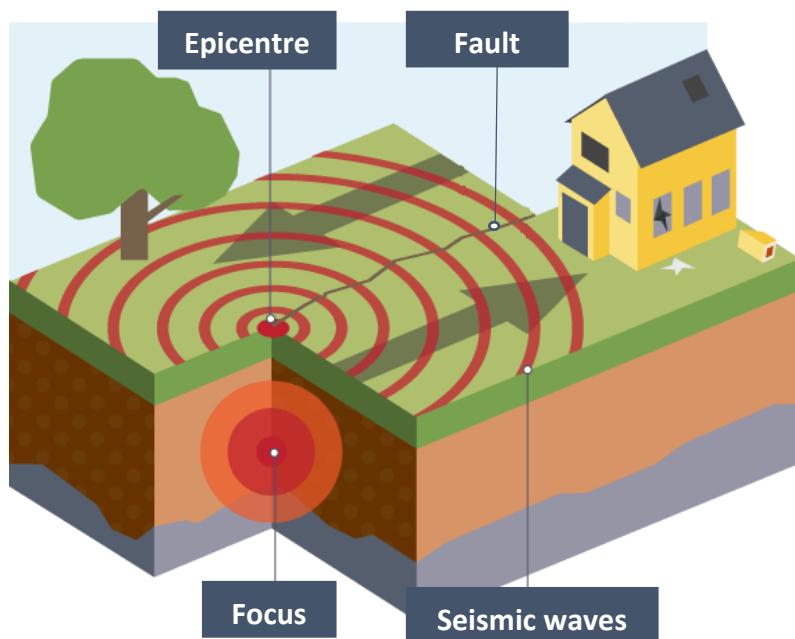
- (ii) What is the name of the molten rock found in the mantle?
Tick (✓) the correct box.

Magma ☐

Lava ☐

[10m]

2. Earthquakes



Amended from www.multidict.net

Examine the diagram above of an earthquake, and answer each of the following questions.

- (i) Match each of the **earthquake terms** with the **description** that best matches it by writing the correct letter in the table below.

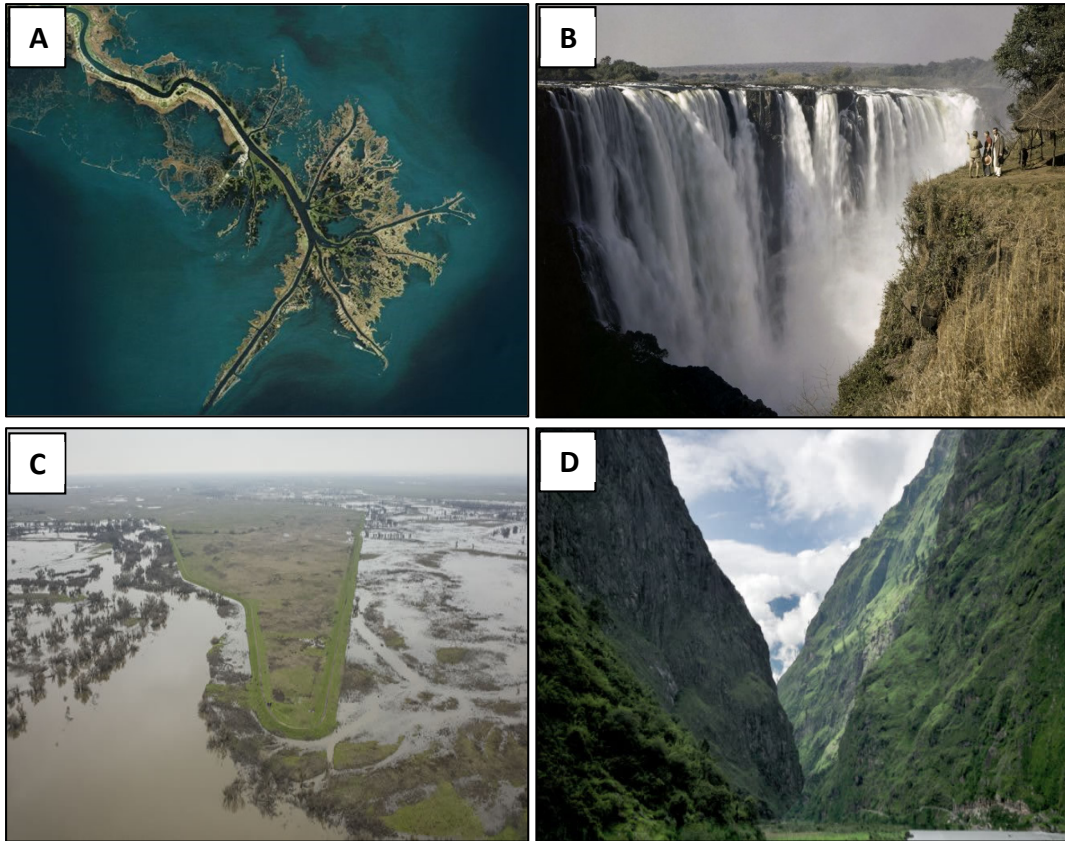
Letter	Description
A	The meeting point of two plates along which earthquakes can occur.
B	The point below the surface where the earthquake begins.
C	Ripples that travel inside and on the earth's surface at high speeds.
D	The point on the surface where most damage usually occurs.

Earthquake Term	Letter
Focus	
Epicentre	
Seismic waves	
Fault	

- (ii) What scale is used to measure the magnitude (strength) of an earthquake?

[10m]

3. River Landforms



Amended from www.bing.com/maps, www.americanrivers.org, www.nationalgeographic.org and www.gettyimages.co.uk

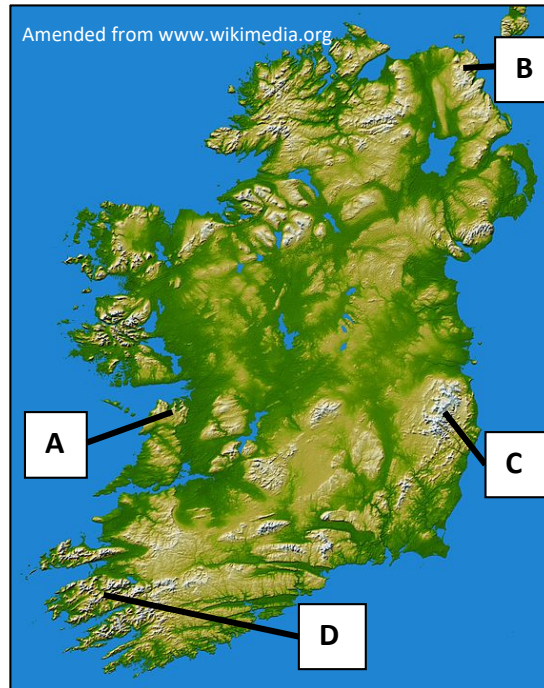
Examine the photographs above. Complete the table by answering each of the following questions. Some of the table has been completed for you.

- (i) Match each of the photographs **A**, **B**, **C** and **D** with the landform that best matches it in the table below.
- (ii) State whether each of the landforms named in the table is formed by erosion **or** deposition.

Q.3 (i) Letter	Landform	Q.3 (ii) Erosion OR Deposition
	V-shaped valley	Erosion
	Waterfall	
C	Floodplain	
	Delta	Deposition

[10m]

4. Rock Types



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

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

Rock Type	Letter
Granite	
Basalt	
Limestone	
Sandstone	

- (ii) State whether the following statement is true or false.

Marble is an example of a metamorphic rock.

[10m]

5. Ordnance Survey Map

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

- (i) What is the height, in metres, of the highest point on the map?

- (ii) What is the length of the M11 motorway, from where it enters the map at T 229 710 to where it crosses the Avoca River at T 234 745?
Tick (✓) the correct box.

3.7 km ☐

2.2 km ☐

[10m]

6. Ordnance Survey Map

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

- (i) Name each of the features that can be found at each of the following grid references:

T 242 728
T 194 776
T 256 733
T 198 759

- (ii) Draw the Ordnance Survey map symbol for Boating Activities in the box below.

[10m]

7. Aerial Photograph

Examine the aerial photograph of Arklow accompanying this paper.

- (i) Match the **feature** with the location on the aerial photograph that best matches it, by writing the correct letter in each case, in the table below.

Letter	Feature
A	Bridge
B	Lake
C	Harbour
D	Agricultural Fields

Location	Letter
Right background	
Right middleground	
Left foreground	
Left background	

- (ii) Indicate whether the aerial photograph accompanying this paper is a vertical or an oblique aerial photograph, by putting a tick (✓) in the correct box.

Vertical ☐

Oblique ☐

[10m]

8. Regions

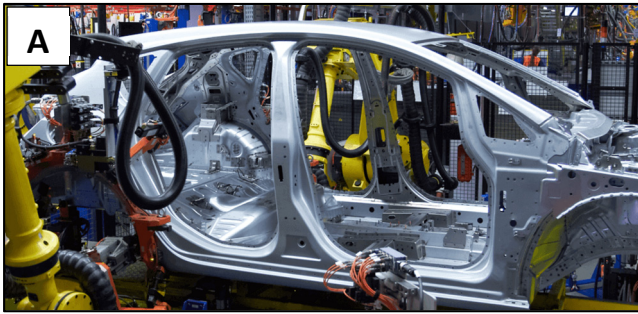
Match the **description of the region** with the **example of the region** that best matches it, by writing the correct letter in each case, in the table below.

Letter	Description of Region
A	A climatic region
B	A core region
C	A geomorphological region
D	A region of industrial decline
E	An administrative region in France

Example of Region	Letter
A Département	
Sambre-Meuse, Belgium	
Munster Ridge and Valley	
The Greater Dublin Area	
The Mediterranean	

[10m]

9. Economic Activities



Amended from www.ewi.org, www.rollercoaster.ie, www.agriland.ie and www.miningpeople.com.au

- (i) Examine the photographs above and indicate whether each is an example of a Primary, Secondary or Tertiary economic activity, by ticking (✓) the correct box in the table below.

Photograph	Primary Activity	Secondary Activity	Tertiary Activity
A			
B			
C			
D			

- (ii) Name **one** primary economic activity **NOT** shown in the photographs above.

[10m]

10. Weather

Mean Monthly Temperatures and Monthly Rainfall at Knock Airport 2019

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Mean Temperature (°C)	5.0	6.5	6.0	8.3	10.2	11.7	15.0	14.0	12.2	8.4	5.5	5.2
Rainfall (mm)	93	99	182	97	78	114	86	208	117	105	103	174

Amended from www.met.ie

Examine the table above which shows the mean monthly temperatures and monthly rainfall at Knock Airport in 2019 and answer each of the following questions.

- (i) What was the highest mean monthly temperature (°C) at Knock Airport in 2019?

- (ii) What was the mean temperature (°C) for March?

- (iii) Which month experienced the highest level of rainfall?

- (iv) In how many months were the mean temperatures greater than 9°C?

- (v) What was the total rainfall (mm) for June, July and August combined?

[10m]

11. Tourism in Ireland



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

- (i) Which region attracted 17% of overseas tourists in 2017?

- (ii) Which region attracted the lowest percentage of overseas tourists in 2017?

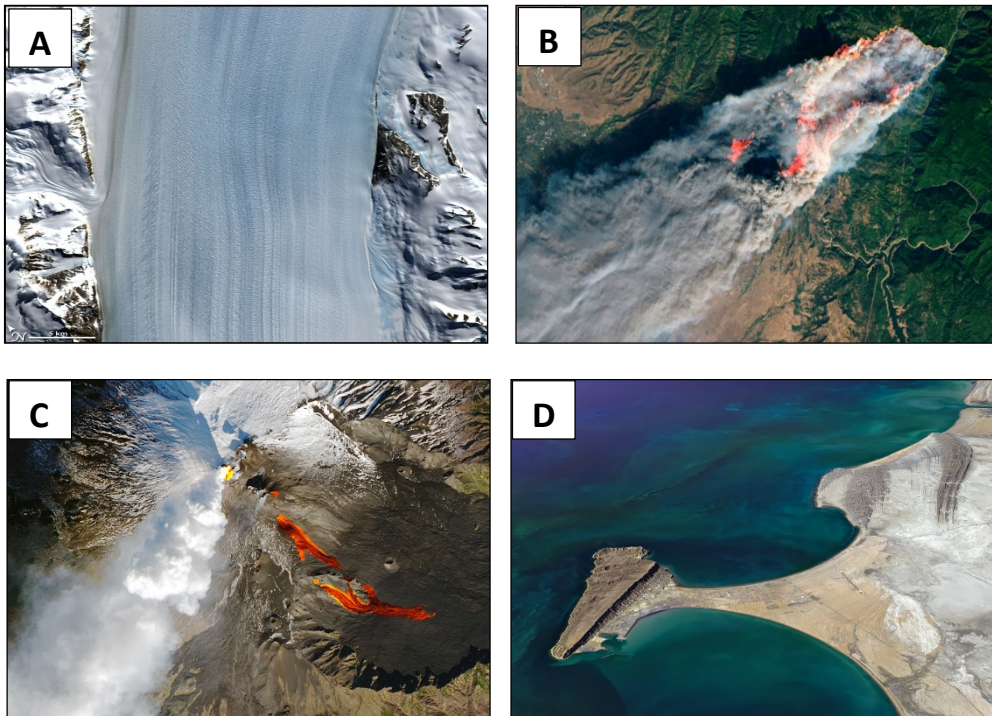
- (iii) What percentage of overseas tourists visited the Border region?

- (iv) Name **one** tourist attraction found in Dublin.

- (v) State **one** problem associated with tourism.

[10m]

12. Satellite Interpretation



Amended from www.earthobservatory.org, www.businessinsider.org,
www.spaceref.com and www.earthobservatory.nasa.gov

Examine the satellite images above and answer each of the following questions.

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

Description	Letter
Byrd Glacier, Antarctica	
Tombolo, Pakistan	
Wildfire in California	
Mt. Etna erupting	

- (ii) State whether the following statement is true or false.

Longshore drift is an important process in the formation of tombolos.

[10m]

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.

Part <i>Cuid</i>	Question <i>Ceist</i>	0	4	
(a)				
(b)(i)				
(b)(ii)				

Start each question on a new page
Cuir tús le gach ceist ar leathanach nua

Four pages of graph paper are provided at the back 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.

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Part

[illegible]

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Part

[illegible]

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Part

[illegible]

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Part

[illegible]

Part

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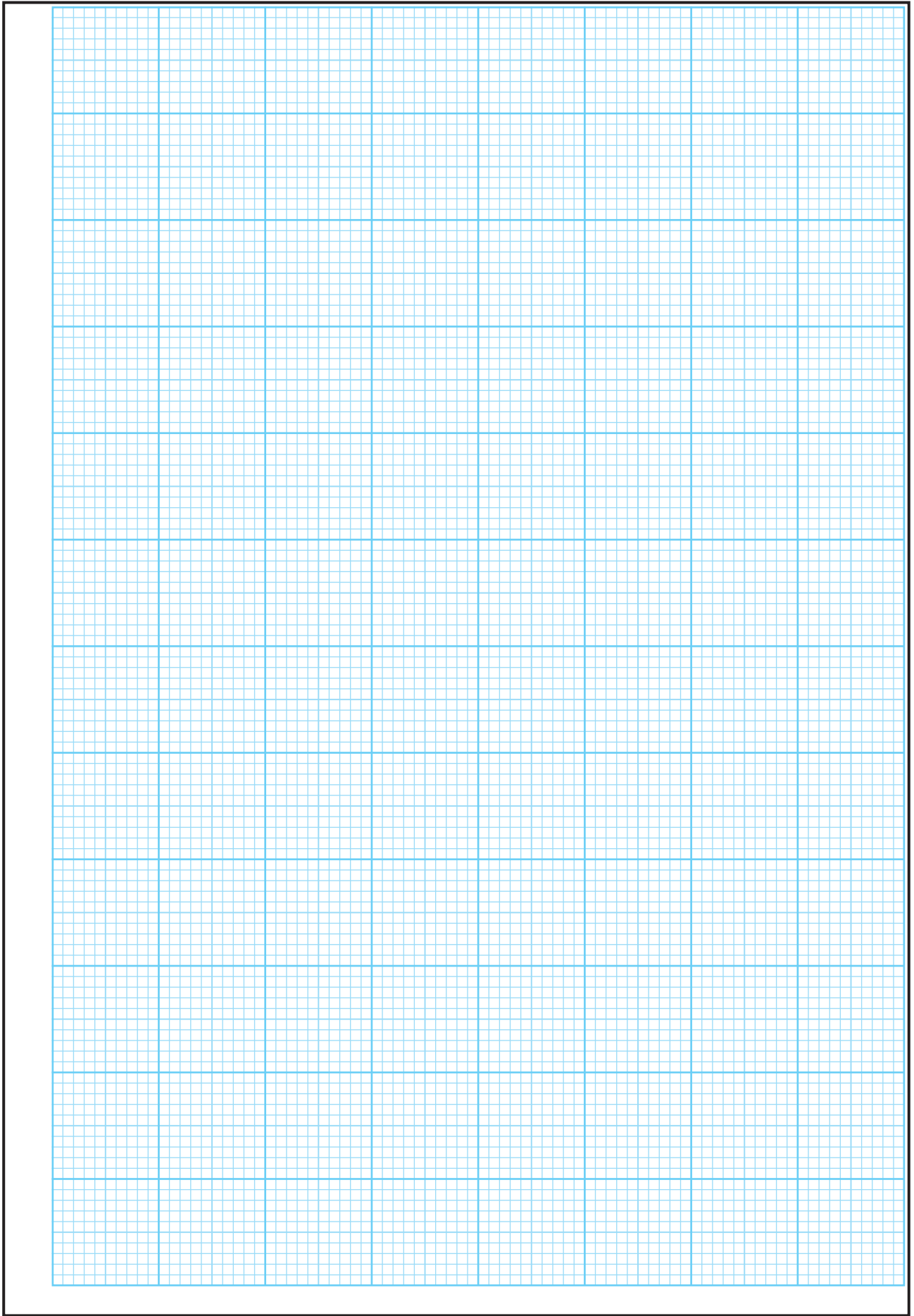
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Part

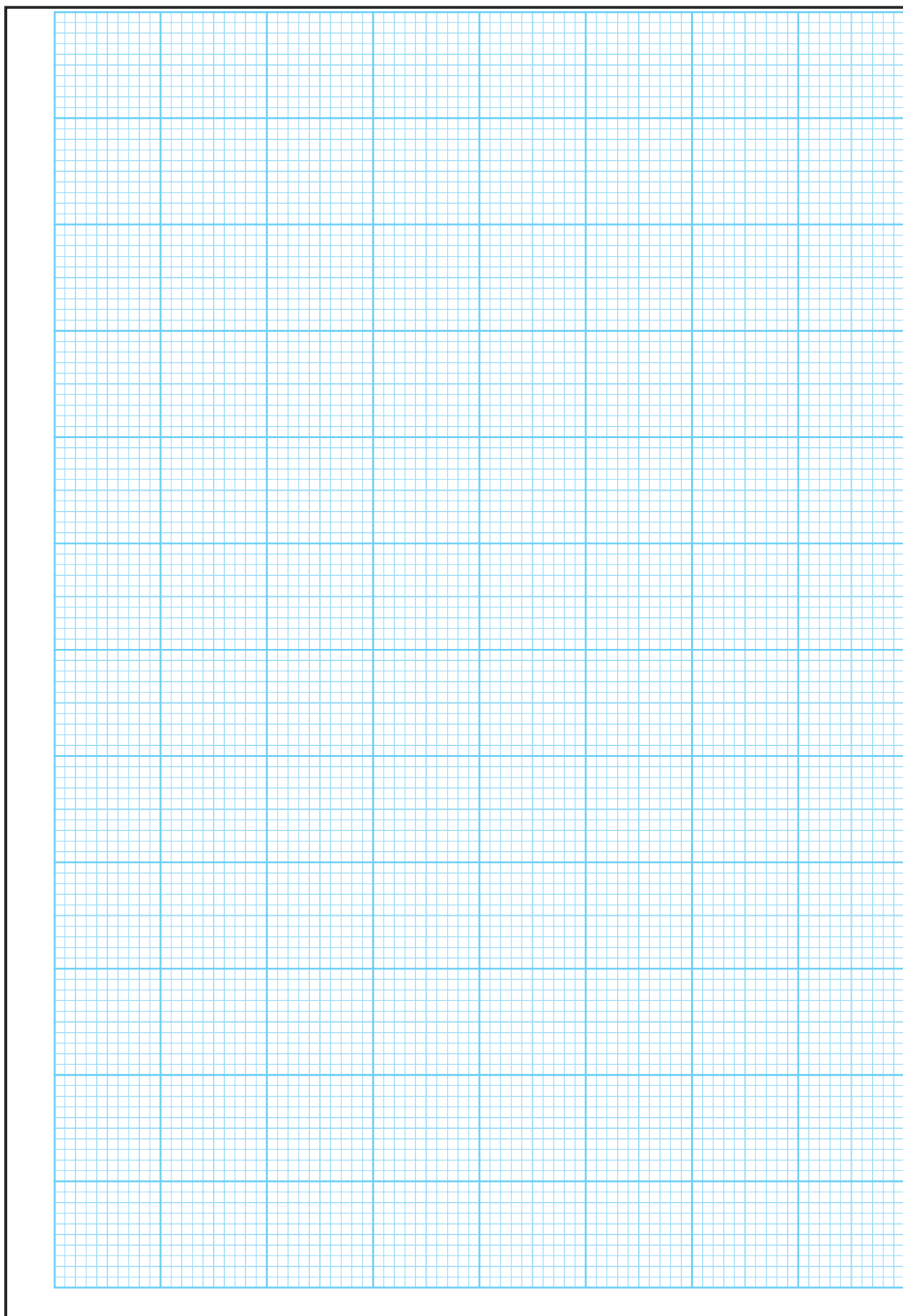
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Part

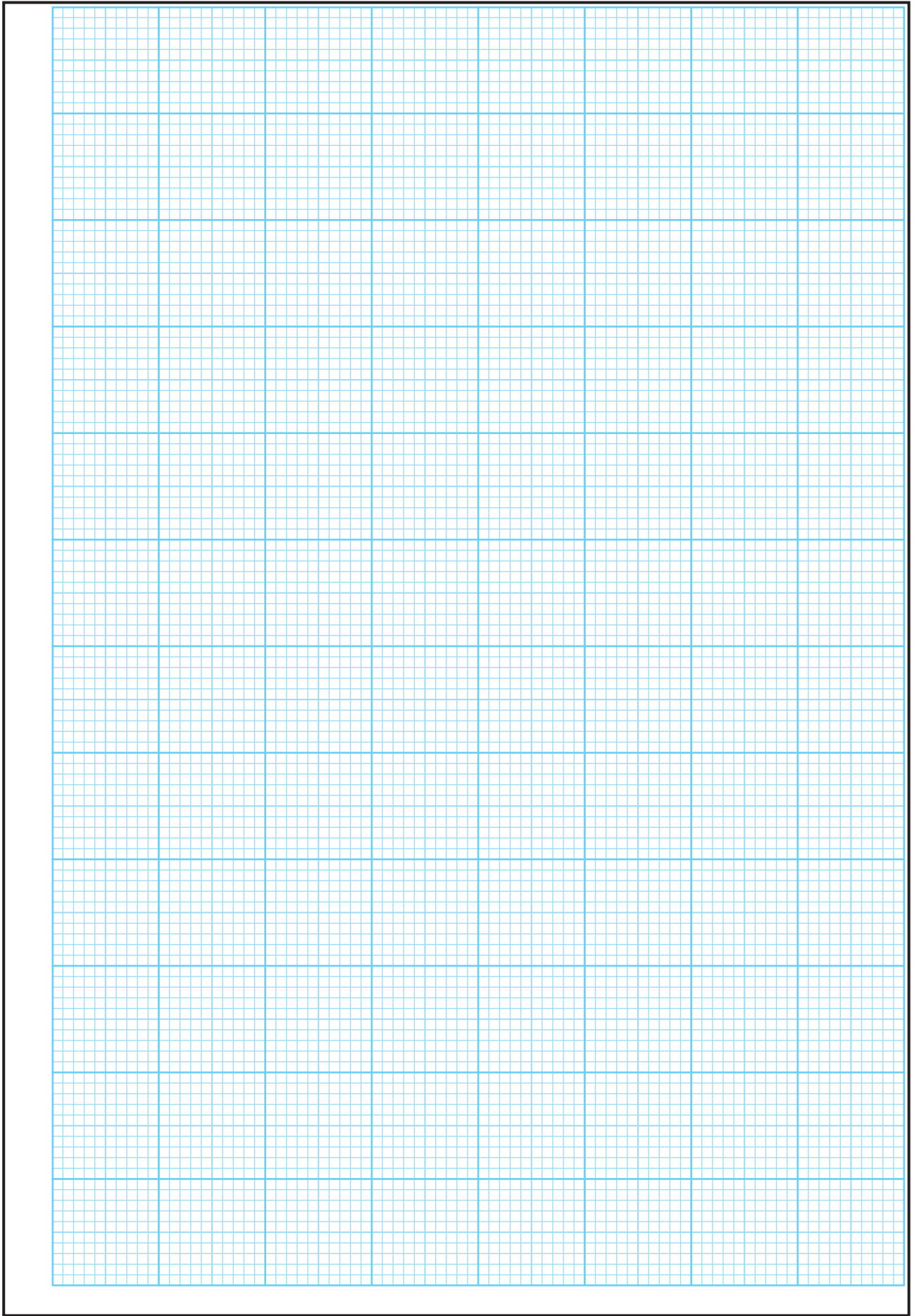
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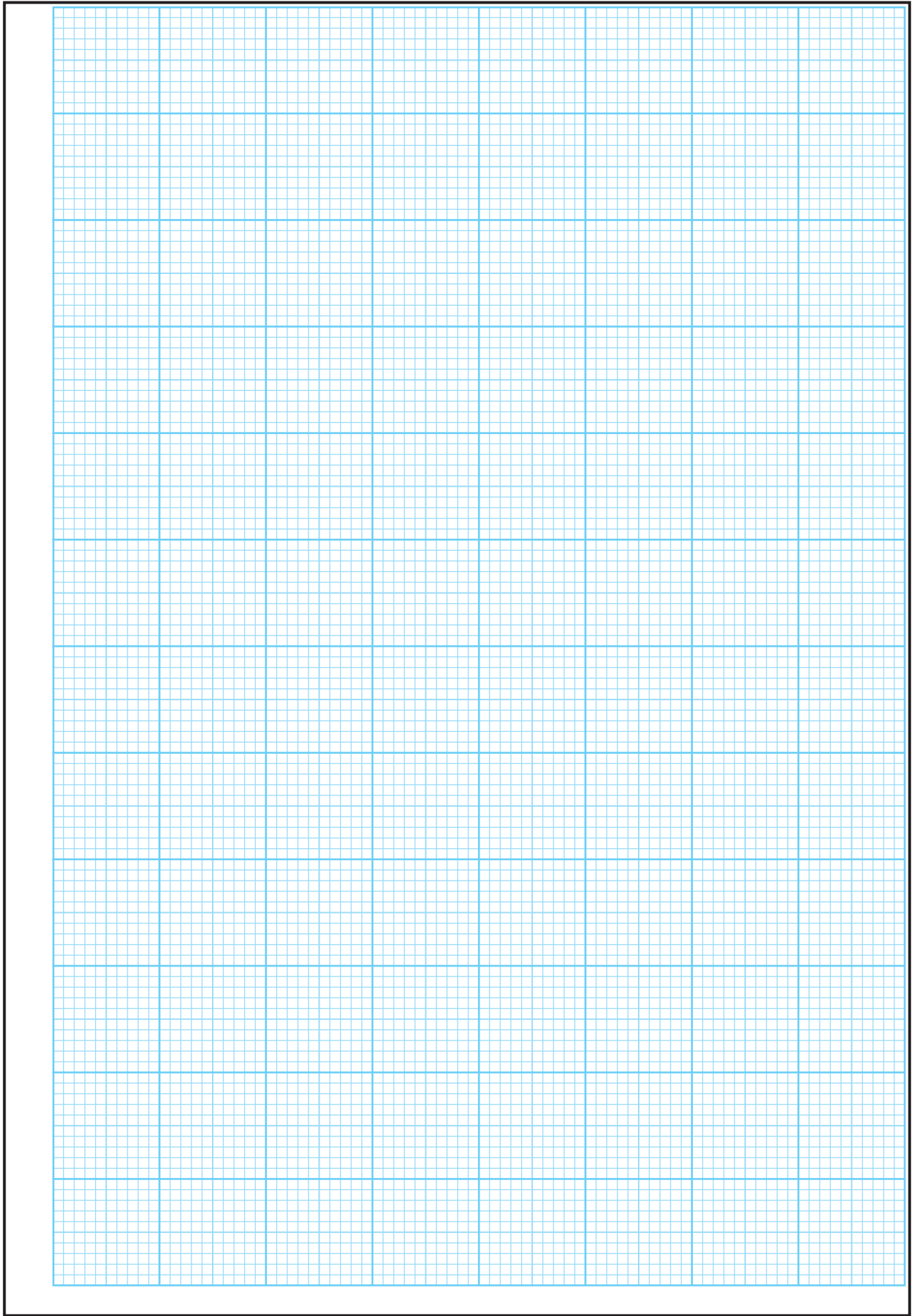
Question



Question



Question



Question

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Leaving Certificate – Ordinary Level

Geography Part One and Answerbook

Two hours and 50 minutes