



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Leaving Certificate Examination 2022

Geography

Part One and Answerbook

Ordinary Level

Friday 10 June Morning 9:30 - 12:20

300 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

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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	200 marks
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You must attempt **TWO** questions. Each question must be from a different section.

- 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)

All questions carry equal marks.

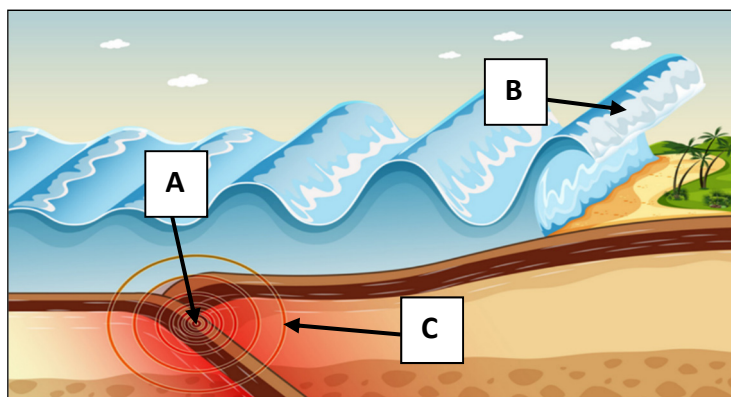
PART ONE – SHORT-ANSWER QUESTIONS – 100 MARKS

Attempt any **TEN** questions.

All questions carry equal marks.

THESE QUESTIONS ARE TO BE ANSWERED IN THE SPACES PROVIDED

1. Earthquakes



Amended from www.vectorstock.com

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

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

Term	Letter
Shockwaves	
Tsunami	
Focus	

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

A barometer is an instrument used to measure earthquakes.

True ☐

False ☐

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

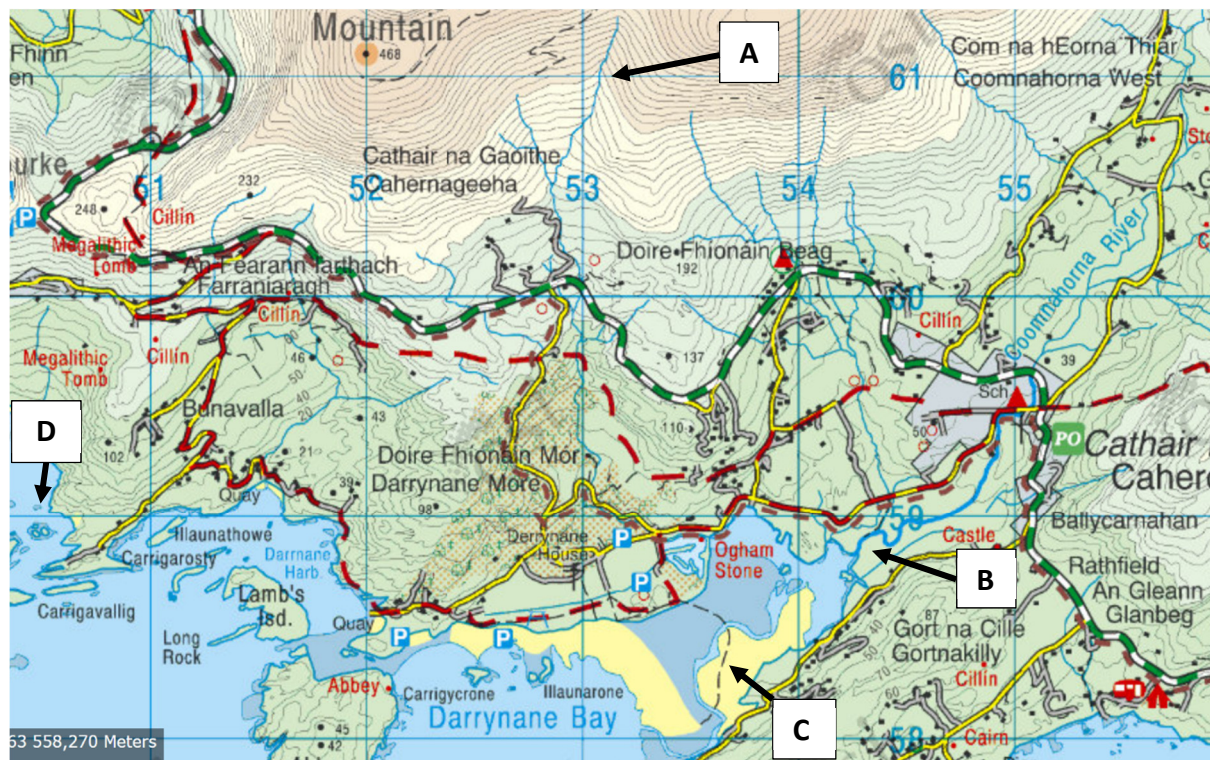
The Richter scale is used to show the magnitude (strength) of an earthquake.

True ☐

False ☐

[10m]

2. Coastal and River Landforms and Processes



Amended from www.scoilnet.ie

Examine the Ordnance Survey map extract 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 labels **A**, **B**, **C** and **D** from the map extract above with the landform that best matches it in the table below.
- (ii) Indicate, by ticking the correct box, whether each of the landforms named in the table is formed by the processes of erosion **or** the process of deposition.

Q.2 (i)	Landform	Q.2 (ii)	
Letter		Erosion (✓)	Deposition (✓)
	V-shaped valley	✓	
	Beach		
	Flood plain		✓
D	Sea stack		

[10m]

3. Physical Processes

Match each of the **features** below with the **process** most associated with its formation, by writing the correct letter in each case, in the table below.

Letter	Feature
A	Limestone pavement
B	Scree
C	U-shaped valley
D	Drumlin
E	Sand spit

Process	Letter
Coastal deposition	
Glacial deposition	
Glacial erosion	
Freeze-thaw action	
Chemical weathering	

[10m]

4. Regions

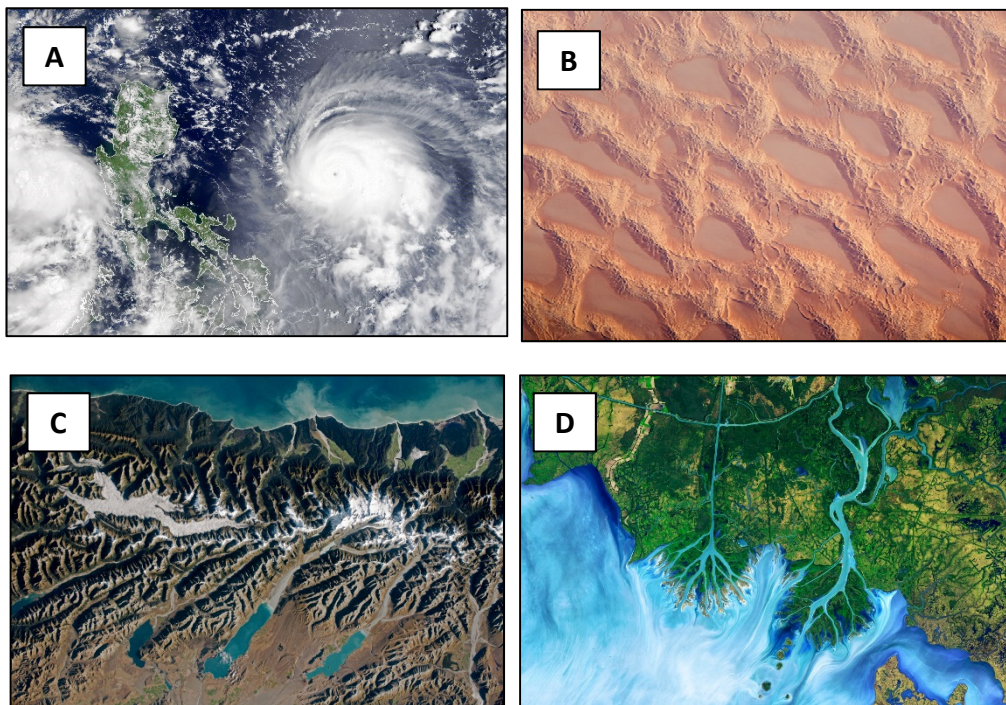
Match the **type of region** with the **example of the region** that best matches it, by writing the correct letter in each case, in the table below.

Letter	Type of Region
A	A core region in Ireland
B	A peripheral region in Italy
C	A cultural region in Spain
D	A physical region in Ireland
E	An administrative region in France

Example of Region	Letter
The Burren	
Greater Dublin Area	
Mezzogiorno	
Basque Country	
Nord Département	

[10m]

5. Satellite Interpretation



Amended from 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
Sahara Desert sand dunes, Libya	
Mississippi River delta, USA	
Southern Alps mountain range, New Zealand	
Typhoon Chanthu, Philippines	

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

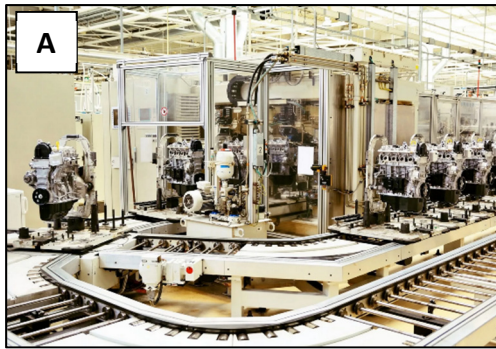
A river delta forms at the source of a river.

True ☐

False ☐

[10m]

6. Economic Activity



www.enterpriseinsights.com



www.irishtimes.com



www.thetimes.co.uk



www.rte.ie

Examine the photographs above showing examples of different economic activities and answer each of the following questions.

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

Economic Activity	Letter
Fishing	
Manufacturing	
Transport	
Agriculture	

- (ii) Which photograph shows an example of a tertiary economic activity?

[10m]

7. 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 the feature shown at each of the following grid references:

S 143 268:
S 242 205:
S 218 239:

- (ii) Draw the Ordnance Survey map symbol for a picnic site in the box below.



- (iii) Give a six-figure grid reference for the railway station in Clonmel.

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[10m]

8. Ordnance Survey Map

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

- (i) Long Hill and Lachtnafranke are located in which area of the Ordnance Survey Map?
Tick (✓) the correct box.

North east ☐

South east ☐

- (ii) What is the length of the N24 road, from where it enters the map at S 140 247 to the first roundabout at S 176 228.
Tick (✓) the correct box.

4.3 kilometres ☐

2.8 kilometres ☐

[10m]

9. Aerial Photograph

Examine the aerial photograph of Clonmel accompanying this paper. Indicate whether each of the following statements is true or false, by ticking the correct box in each case.

- (i) There is a bridge located in the right background of the aerial photograph.

True ☐

False ☐

- (ii) There is a racetrack in the centre background of the aerial photograph.

True ☐

False ☐

- (iii) There are no car parks in the centre middleground.

True ☐

False ☐

- (iv) There is a church located in the right foreground of the aerial photograph.

True ☐

False ☐

- (v) The aerial photograph is a vertical aerial photograph.

True ☐

False ☐

[10m]

10. Weather Charts

- (i) Match each of the weather chart symbols with the feature of weather that best matches it, by writing the correct letter, in each case in the table below.

Letter	Symbol
A	
B	
C	
D	

Feature of Weather	Letter
Cold front	
High pressure system	
Low pressure system	
Warm front	

- (ii) What is another name for a low pressure system?

Tick (✓) the correct box.

Depression ☐

Anticyclone ☐

[10m]

11. Trade Statistics

Ireland's Export Partners in 2017, 2018 and 2019

	Percentage of Irish Exports		
Country	2017	2018	2019
USA	27	28	31
UK	12	11	10
Belgium	11	13	10
Germany	8	7	9
Netherlands	5	5	6
China	4	3	5
Switzerland	5	5	4
Others	28	28	25

Amended from CSO

Examine the table above showing the percentage share of exports received by Ireland's export partners in 2017, 2018 and 2019 and answer each of the following questions.

- (i) What percentage of Irish exports went to Belgium in 2018?

- (ii) Which country received 9% of Irish exports in 2019?

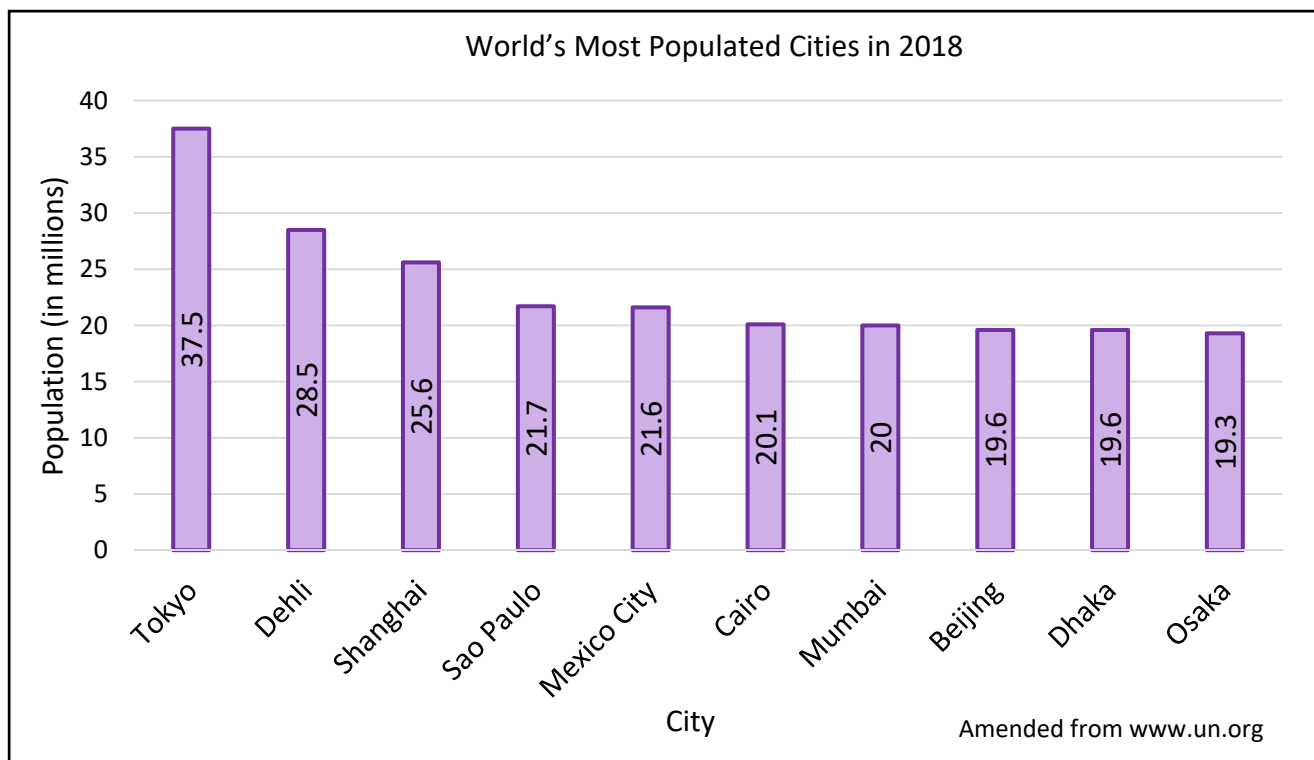
- (iii) Calculate the difference in the percentage of Irish exports received by the USA in 2017 and 2019.

- (iv) Name **one** country listed above that received a lower percentage of Irish exports in 2019 than they did in 2017.

- (v) Name **one** product that is exported from Ireland.

[10m]

12. Population Statistics



Examine the bar chart above which shows the population, in millions, of the world's most populated cities in 2018 and answer each of the following questions.

- (i) What was the population, in millions, of Sao Paulo in 2018?

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- (ii) Which city had the largest population in 2018?

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- (iii) Which **two** cities had the same population in 2018?

1.
2.

- (iv) Are cities urban **or** rural areas?
Tick (✓) the correct box.

Urban ☐

Rural ☐

[10m]

Answerbook for PART TWO

Instructions

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

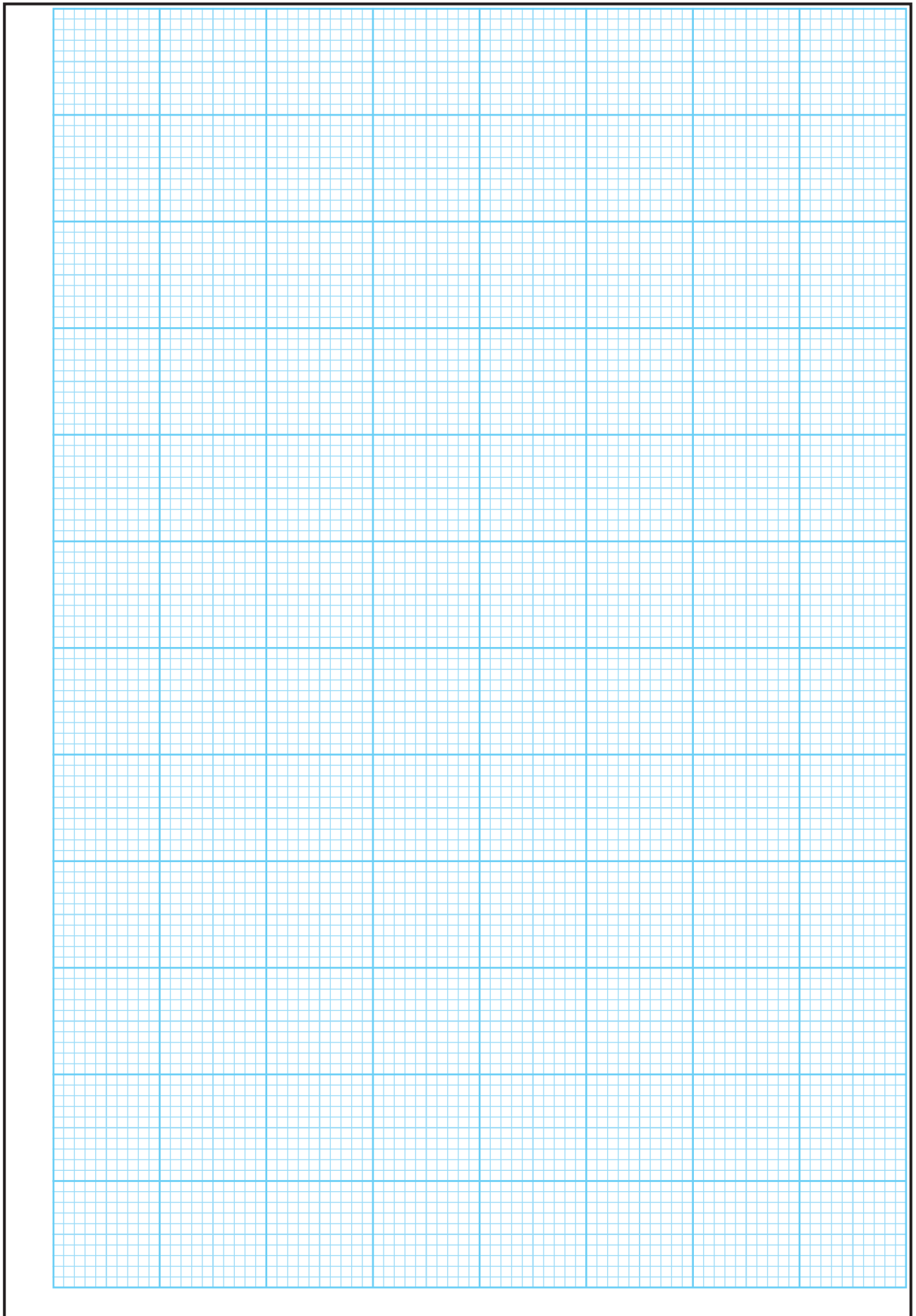
Start each question on a new page. Write the question number in the box at the top of each page. Use the left-hand column to label each part, as shown below.

Question	
04	
Start each question on a new page	
Part	
(a)	
(b)(i)	
(b)(ii)	

Graph paper is 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.

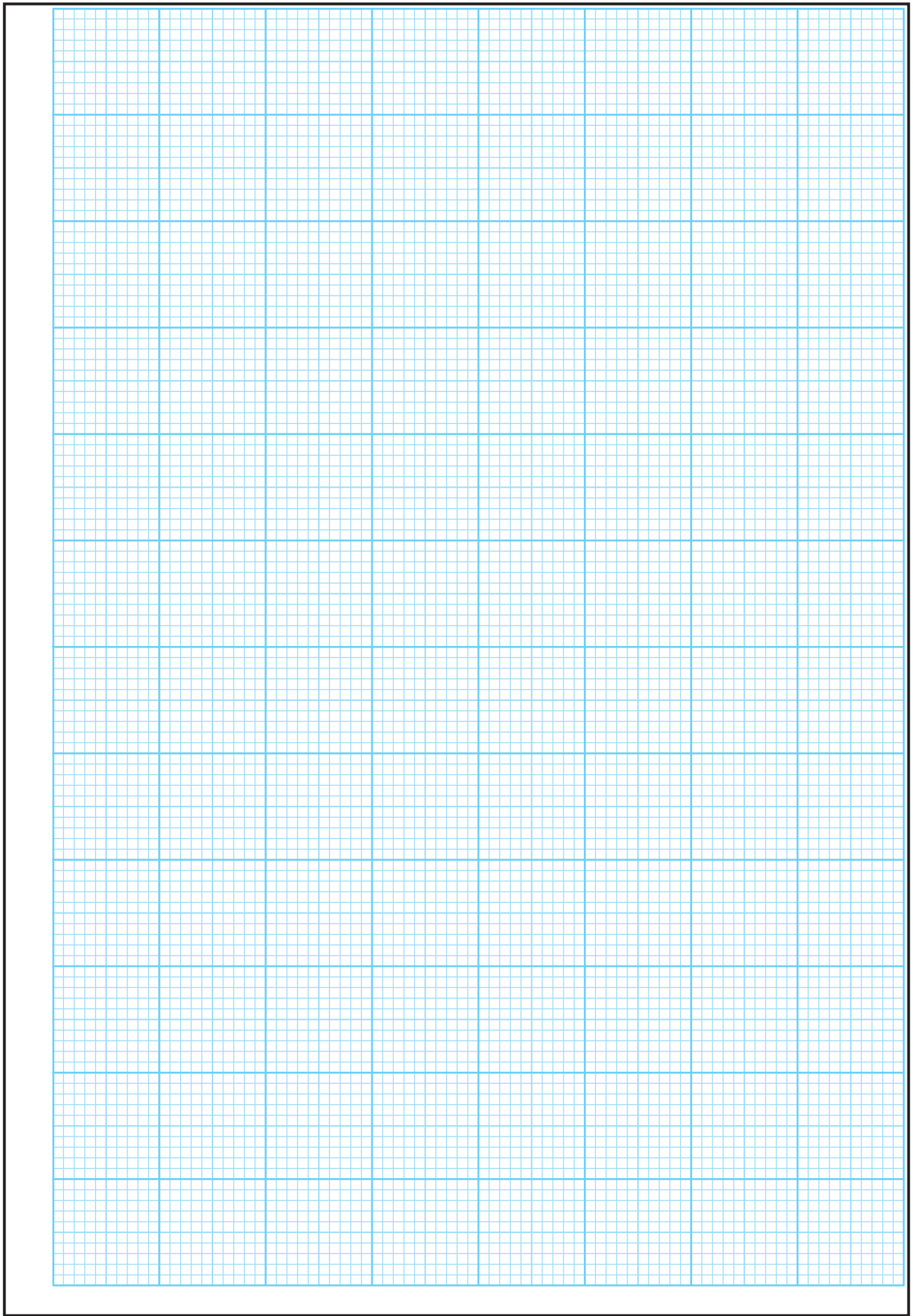
You do not need to use all of the pages in this answerbook. If you run out of space in this answerbook, you may ask the superintendent for more paper or graph paper.

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

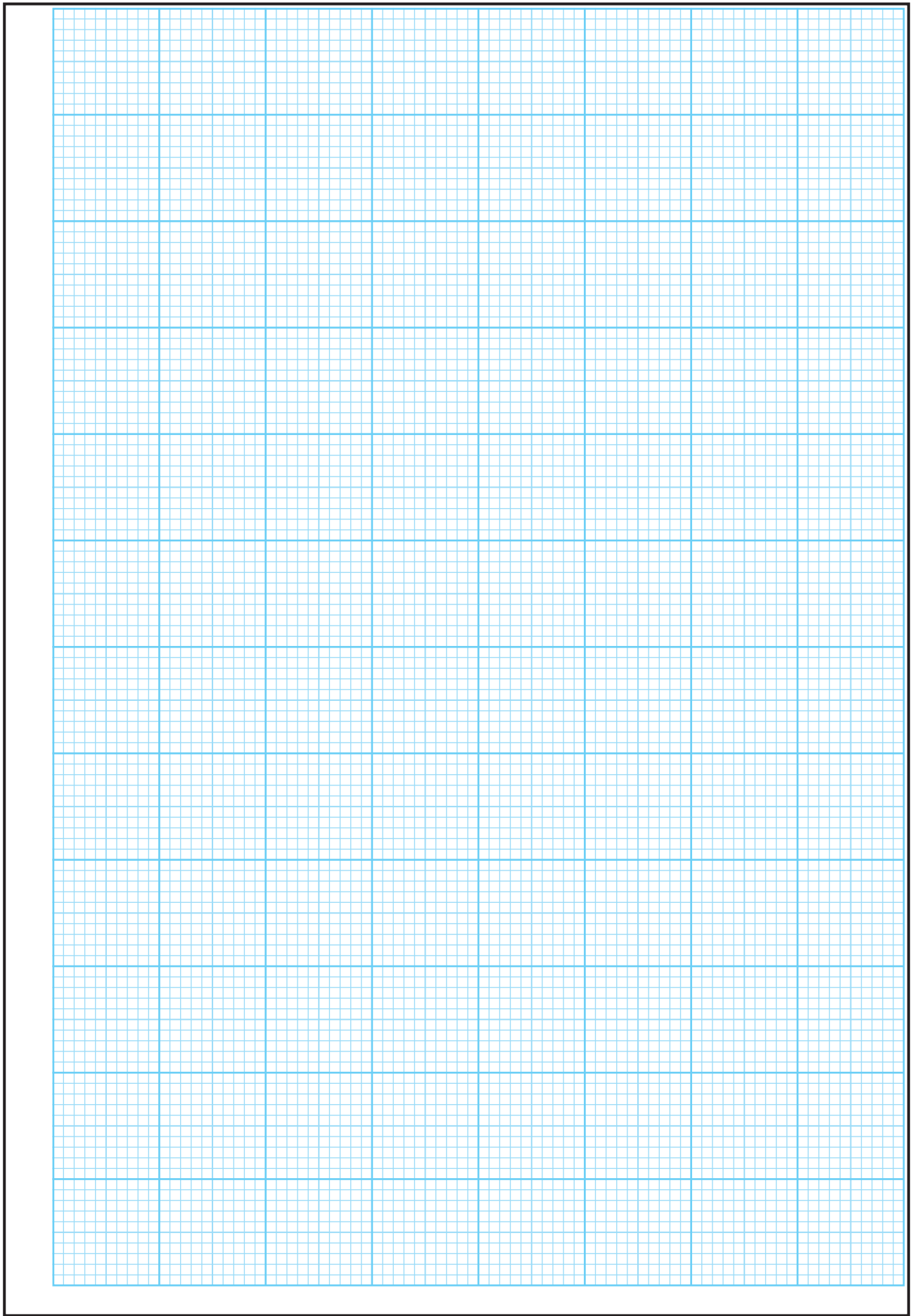


Question

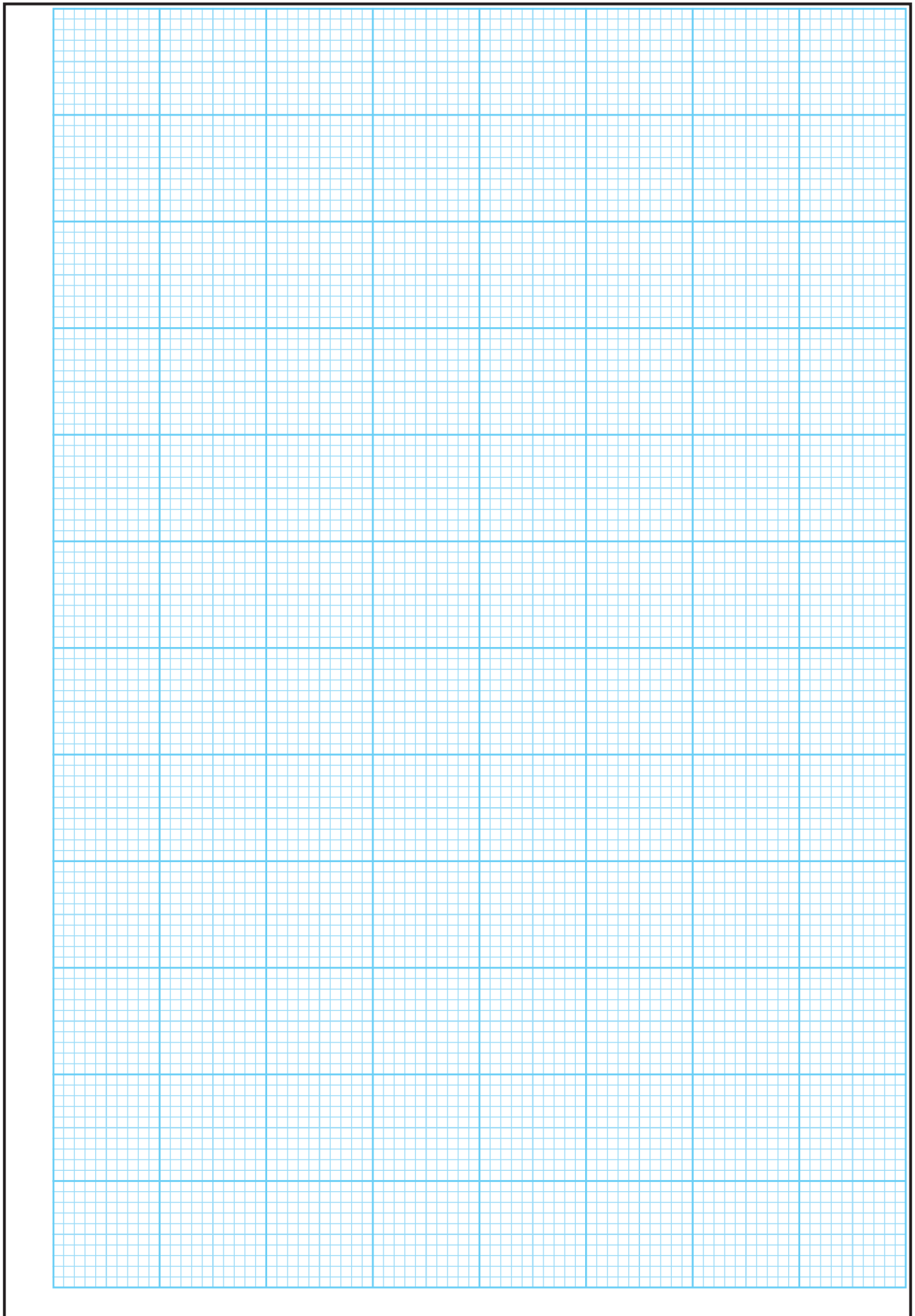
☐☐



Question



Question



Question

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Part

[illegible]

Part

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Part

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