

Cambridge IGCSE[™]

CANDIDATE NAME					
CENTRE NUMBER			CANDIDATE NUMBER		

GEOGRAPHY 0460/23

Paper 2 Geographical Skills October/November 2024

1 hour 30 minutes

You must answer on the question paper.

You will need: Insert (enclosed) Plain paper

1:25 000 survey map (enclosed) Protractor Calculator Ruler

INSTRUCTIONS

- Answer all questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do not write on any bar codes.
- If additional space is needed, you should use the lined pages at the end of this booklet; the question number or numbers must be clearly shown.

INFORMATION

- The total mark for this paper is 60.
- The number of marks for each question or part question is shown in brackets [].
- The insert contains additional resources referred to in the questions.

LEDCs – Less Economically Developed Countries MEDCs - More Economically Developed Countries

This document has 20 pages. Any blank pages are indicated.

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[Turn over



- 1 Study the map extract for Sabbio Chiese, Italy. The scale is 1:25000.
 - (a) Study Fig. 1.1, which shows some of the features in the north of the map extract.

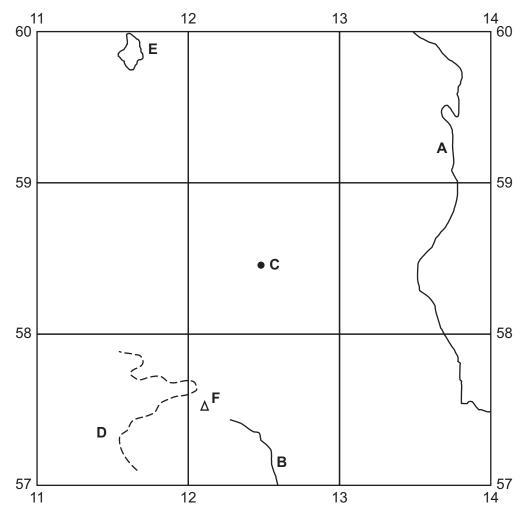


Fig. 1.1

Using the map extract, identify the following features shown in Fig. 1.1:

- (i) the type of road at A
 -[1]
- (ii) the name of the river at B
 -[1]
- (iii) the height above sea level of the spot height at C
 - metres [1]
- (iv) feature D
 -[1]
- (v) the name of the settlement at E.
 -

c) F	ind	I the settlement o	of Pavone in grid squa	are 1156.		
((i)	What is the settl	lement pattern of Pav	one? Tick (✓) o	ne box below.	
				tick (√)		
			linear			
			nucleated			
			dispersed			
(1	ii)	Give a reason fo	or this settlement patt			
d) F	Find	I the yellow provi	incial road 237 in the	north-west of th	e map extract.	
d) F	Find	I the yellow provi		north-west of th	e map extract. provincial road	237 be
d) F	Find	I the yellow provi	incial road 237 in the stance in metres alo cle) in grid square 09	north-west of th	e map extract. provincial road	237 be
d) F	Find	I the yellow provi What is the dis roundabout (circ	incial road 237 in the stance in metres alo cle) in grid square 09	north-west of th	e map extract. provincial road	237 be
d) F	Find	I the yellow provi What is the dis roundabout (circ	incial road 237 in the stance in metres alo cle) in grid square 09	north-west of the north the north	e map extract. provincial road	237 be
d) F	Find	I the yellow provi What is the dis roundabout (circ	incial road 237 in the stance in metres alocle) in grid square 099 x below.	north-west of the north the north	e map extract. provincial road	237 be
d) F	Find	I the yellow provi What is the dis roundabout (circ	incial road 237 in the stance in metres alocle) in grid square 099 x below.	north-west of the north the north	e map extract. provincial road	237 be

.....

[1]

(e) Fig. 1.2 is a cross-section along northing 58 from 090580 to 110580.

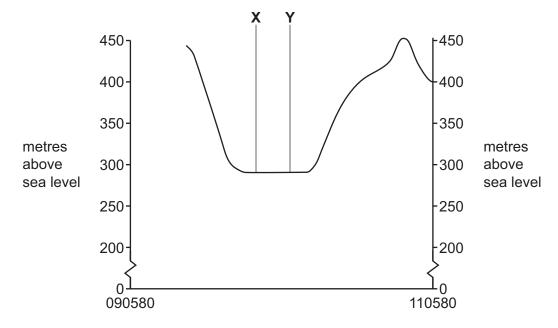


Fig. 1.2

(i) Identify the feature at X.

.....[1]

(ii) Identify the feature at Y.

.....[1]

(iii) The cross-section shown in Fig. 1.2 is incomplete. Using information from the map extract, draw a line on Fig. 1.2 to **complete the cross-section**. [2]

Study the river flowing between Barghe and Sabbio Chiese. Describe the physical (natural) features of the river and its valley. Do not refer to land use beside the river.
river
valley
[6]

[Total: 20]



2 Study Fig. 2.1, which shows population change for Asia, Europe and the world between 1950 and 2020.

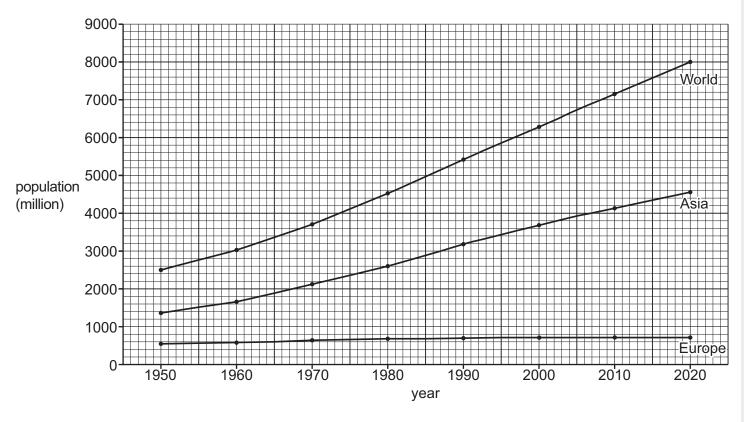


Fig. 2.1

(a)	(1)	vvnat was the world population in 2020?	
		million	[1]

(ii)	Compare population change in Asia and Europe between 1950 and 2020. Use statistics in your answer.



(b) Table 2.1 shows population data for the United Kingdom in 2018.

Table 2.1

birth rate	death rate	net migration
(per 1000 people)	(per 1000 people)	(per 1000 people)
11.3	9.3	

Population change can be calculated as **natural** population change or **overall** population change.

	(i)	Using Table 2.1, calculate the natural population change for the United Kingdom.	
		per thousand	[1]
	(ii)	Using Table 2.1, calculate the overall population change for the United Kingdom.	
		per thousand	[1]
(c)		me countries have a falling birth rate. Suggest three reasons why a country's birth r	ate
	1		
	2		
	3		
			 [3]

[Total: 8]



0460/23/O/N/24

3 Study Fig. 3.1 (Insert), which shows a rural settlement in France, Europe.

(a) Using Fig. 3.1, explain the factors that may have influenced the site of this rural settlement.



(b) Study Fig. 3.2, which shows the relationship between size of population and the number of services within each settlement.

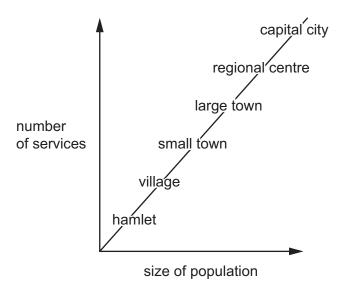


Fig. 3.2

Using Fig. 3.2, describe the relationship between size of population and the number of services within each settlement.

.....[1]

- (c) Low-order services are found in rural settlements.
 - (i) Which of the following is a low-order service. Tick (✓) one box below.

	tick (√)
hospital	
shoe shop	
primary school	

[1]

[Total: 8]

(ii)	Explain why low-order services
	have a small sphere of influence
	have a low threshold population.
	[2]

4 Fig. 4.1 shows the average cliff erosion rate at selected sites in Withernsea, UK. Fig. 4.2 shows the location of the sites.

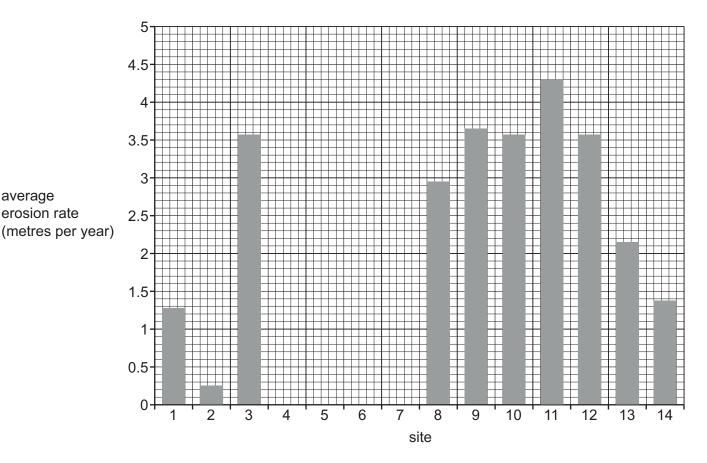


Fig. 4.1

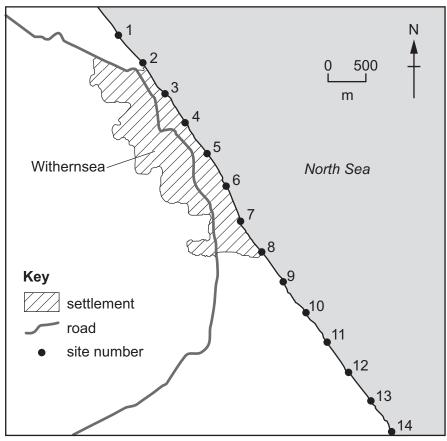


Fig. 4.2

(a)	(i)	Using Fig. 4.1, state the average erosion rate at site 11.	
		metres per year	[1]
	(ii)	Using Fig. 4.2, suggest a reason why coastal protection methods were located betwe sites 4 and 7.	en
			••••
			[1]

(i)

(ii)

12

(b) Study Fig. 4.3 (Insert), which shows the coastal protection methods used at Withernsea, UK, between sites 4 and 7.

Choose one of the coastal protection methods shown in Fig. 4.3, and explain how it

protects the coast.
coastal protection method
[2]
Describe the advantages and disadvantages of the coastal protection method chosen.
advantages
disadvantages

[Total: 8]

[4]



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5 Study Fig. 5.1, which shows the processes of the hydrological cycle.

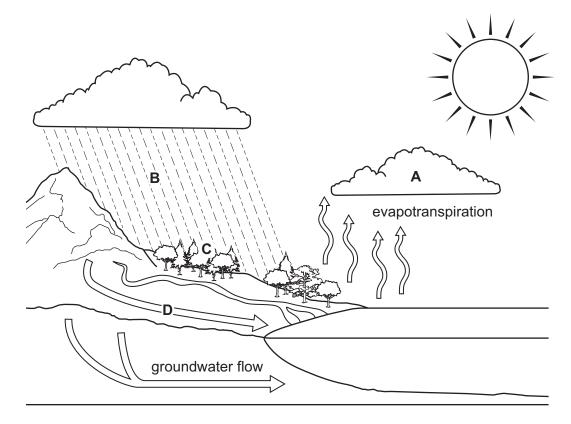


Fig. 5.1

(a) Name the processes A–D shown in Fig. 5.1.

Α	
R	
_	
_	
C	
\mathbf{D}	

[4]

* 000080000015 *

15

(b)	The processes of evapotranspiration and groundwater flow are labelled in Fig. 5.1. Describe each of these processes.
	evapotranspiration
	groundwater flow

[Total: 8]

[4]

* 000080000016 *

16

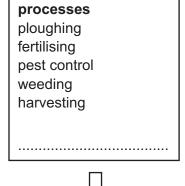
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- 6 Study Fig. 6.1, which shows the agricultural system for an arable farm.
 - (a) Complete Fig. 6.1 using the following information.

planting relief vegetables labour natural inputs human inputs temperature farm buildings precipitation transport subsidies soils growing season seeds fertilisers pesticides machinery



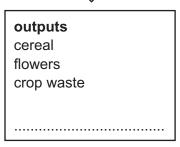


Fig. 6.1

[2]



Atlantic region

Increase in heavy

precipitation and

increasing risk of

river/coastal flooding.

(b) Fig. 6.2 shows the main impacts of climate change in Europe.

North Sea Mediterranean 200 Sea km

18

Continental region Increase in temperatures and decrease in summer precipitation. Increasing risk of river floods.

Key

Continental region

Mediterranean region

Atlantic region

Mediterranean region

Increase in temperatures and decrease in precipitation. Increasing risk of droughts.

Fig. 6.2

Fig. 6.3 shows facts about agriculture in Europe.

22 million people are directly 40% of land is used for agriculture. employed in the farming sector. The value of agricultural exports was Farmers produce $\frac{1}{8}$ of global cereals, $\frac{1}{2}$ of global sugar beet and $\frac{3}{4}$ of global $\frac{1}{2}$ \$153 billion in 2017. olive oil.

Fig. 6.3

[Total: 8]

* 0000800000019 *

	19
Using Fig. 6.2 and Fig. 6.3, suggest three	ee possible impacts of climate change on agriculture

in Europe.
1
2
3
[6]

* 0000800000020 *

Additional page

If you use the following page to complete the answer to any question, the question number must be clearly shown.

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