

Cambridge IGCSE[™]

CANDIDATE NAME					
CENTRE NUMBER			CANDIDATE NUMBER		

006277955

GEOGRAPHY 0460/21

Paper 2 Geographical Skills

May/June 2024

1 hour 30 minutes

You must answer on the question paper.

You will need: Insert (enclosed)

Plain paper Protractor

1:25 000 survey map (enclosed) 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.

Definitions

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

This document has 16 pages. Any blank pages are indicated.

- 1 Study the map extract for Panzendorf, in the Tyrol region of Europe. The scale is 1:25 000.
 - (a) Fig. 1.1 shows some of the features in the south-east of the map extract.

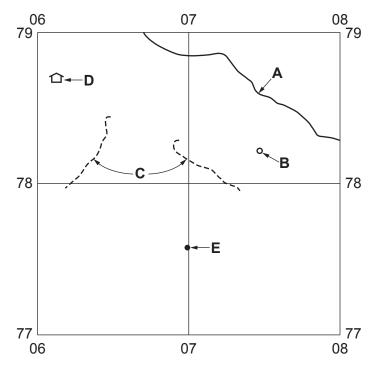


Fig. 1.1

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

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

[1]

© UCLES 2024 0460/21/M/J/24

..... metres

- **(b)** Find the settlements of Tassenbach and Tessenberg in the central part of the map extract.
 - (i) Compare the height above sea level and slopes of the two settlements.

	Tassenbach	Tessenberg
height above sea level		
sea level		
slopes		

]	2]
	(ii)	Compare the transport infrastructure of the	two settlements.	
			[2]
(c)	Find	main road 100, which passes through the r	main settlement at Panzendorf.	
	٠,	Measure the distance along the road from verthe main road junction in Tassenbach. Give	where it meets the western edge of the map	to
		metres]	1]
		What is the compass direction from the po	oint where main road 100 meets the western Tassenbach?	rn
]	[1]
		Measure the compass bearing from the peedge of the map to the main road junction	oint where main road 100 meets the western Tassenbach.	rn
		degrees]	1]
	(iv)	Give the six-figure grid reference of the ma	in road junction in Tassenbach.	
			[1]

(d) Study the relief and drainage of the area north of northing 81.

Which **five** of the following statements describe the relief and drainage of this area? Tick only **five** boxes.

	tick (🗸)
There is a flood plain.	
There are north-facing slopes.	
There is land over 1400 m.	
There is a plateau.	
There are steep slopes.	
There are V-shaped valleys.	
Rivers flow east.	
Rivers flow north.	
Rivers flow south.	
There are small rivers.	

[5]

(e) Fig. 1.2 is a cross-section along northing 78 from 040780 to 070780.

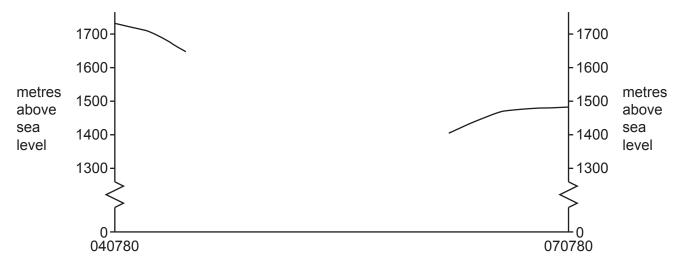


Fig. 1.2

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]

[Total: 20]

BLANK PAGE

2 (a) Fig. 2.1 shows international population migration data to and from the Republic of Ireland for selected years.

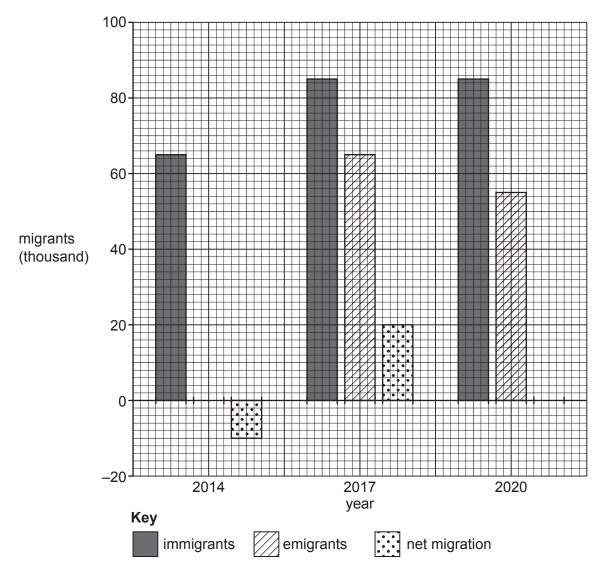


Fig. 2.1

Using Fig. 2.1, calculate:

(i) net migration in 2020

...... thousand [1]

(ii) emigration in 2014.

..... thousand [1]

(b) Table 2.1 shows the nationality of migrants travelling to and from Ireland.

Table 2.1

		year						
		2014	2015	2016	2017	2018	2019	2020
				net migra	ation (the	usands)		
	British (UK)	-2	-0	1	2	3	4	3
nationality	European (excluding Irish)	7	9	12	5	10	12	6
of migrants	Irish (Republic of Ireland)	-22	-16	-9	-3	0	-2	0
	rest of the world	9	13	12	16	21	19	19

	your answer.
	[4]
c)	Suggest one advantage and one disadvantage for a country which receives large numbers of international immigrants.
	advantage
	disadvantage
	[2]

[Total: 8]

3 Table 3.1 shows the settlement hierarchy of a district in Antrim, Northern Ireland.

Table 3.1

type of settlement	number of settlements	position in settlement hierarchy
main town (MT)	3	high
small town (ST)	5	<u> </u>
village (V)	10	
small settlement (SS)	17	low

(a) (i) Use information from Table 3.1 to **complete Fig. 3.1** by plotting the number of small towns.

Content removed due to copyright restrictions.

Fig. 3.1

(ii)	Describe the relationship between the number of settlements and their position in th settlement hierarchy.
	[1

(b) Table 3.2 shows population size, type of settlement and its position in the settlement hierarchy for selected settlements.

Table 3.2

name of settlement	population size	type of settlement	position in hierarchy
Ballymena	29 500		high
Carrickfergus	28 000	main town	^
Larne	18700		
Ahoghill	3400		
Broughshane	2900		
Cullybackey	2500	small town	
Greenisland	5 500		
Whitehead	3800		
Ballycarry	981		
Ballygalley	821		
Ballystrudder	992		
Cargan	588		
Carnlough	1512	villago	
Clough	220	village	
Glenarm	568		
Kells and Connor	2053		
Martinstown	345		
Portglenone	1174		low

(i)	Using Table 3.2, describe the relationship between position in the settlement hierarchy and population size.
(ii)	What is unusual about the population size of the village of Kells and Connor?

(c) Fig. 3.2 shows the locations of the settlements in Table 3.2.

	Content removed due to copyright restrictions.
	Fig. 3.2
(i)	The town of Ballymena has the largest sphere of influence of all the settlements shown. Using evidence from Fig. 3.2 and Table 3.2 only , suggest two reasons for this.
	1
	2
	[2]
(ii)	Large areas of the district shown in Fig. 3.2 have no settlements. Suggest two reasons for this.
	1

[Total: 8]

[2]

4	(a)				coastal area vers from:	in New Zealar	nd. Ider	itity teatu	res A-E shown in
		arch	beach	cave	headland	sand dune	spit	stack	wave-cut platform
				A					
				В					
				C					
				D			•		
				E					[5]
	(b)	Draw a	labelled	diagram to	o explain the	formation of a ba	ay and I	headland	along a coastline.
					· .				
									[3]

[Total: 8]

5 Fig. 5.1 is a map of part of South America, showing some of the main active volcanoes in Chile. Fig. 5.2 is a sketch cross-section along the line A–B in Fig. 5.1, through the active volcano Cerro Azul.

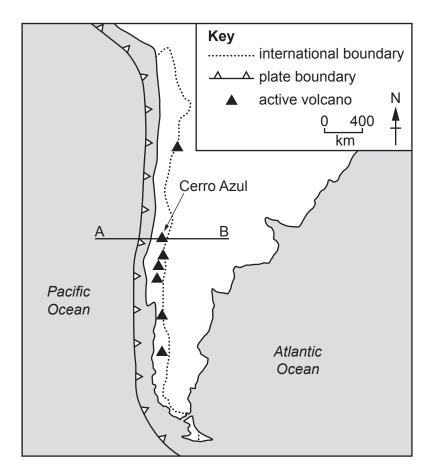


Fig. 5.1

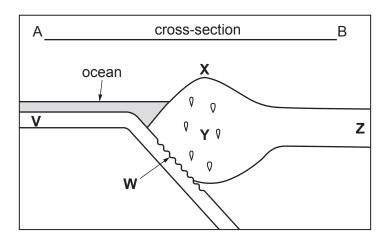


Fig. 5.2

(a)	Draw two arrow	s to show the direction	on of p	late movements on	i Fig. 5.2.		[1]
(b)	Choose four letters from V , W , X , Y and Z to identify the following features shown in Fig.					g. 5.2:	
				letter			
		oceanic plate					
		rising magma					
		subduction zone					
		volcano.					[4]
(c)	The volcanoes strato-volcano.	shown in Fig. 5.	1 are	strato-volcanoes.	Describe t	he features	
					•••••		
							[3]
						[To	otal: 8]

6	Fias.	6.1	and 6.2	(Insert)	show two	rural	areas	in Africa

	(a)	Which two of the following	ig terms describe	the agriculture shown	in Fig. 6.1? Tick two box
--	-----	-----------------------------------	-------------------	-----------------------	---------------------------

	tick (√)
arable	
commercial	
mixed	
subsistence	

[2]

(b) Which two of the following terms describe the agriculture shown in Fig. 6.2? Tick two boxes.

	tick (√)
arable	
mixed	
pastoral	
subsistence	

٠,
_

c)	Using evidence from Fig. 6.2, explain the advantages of the area for food production.
	[4

[Total: 8]

Additional pages

clearly shown.

The boundaries and names shown, the designations used and the presentation of material on any maps contained in this question paper/insert do not imply official endorsement or acceptance by Cambridge Assessment International Education concerning the legal status of any country, territory, or area or any of its authorities, or of the delimitation of its frontiers or boundaries.

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced online in the Cambridge Assessment International Education Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cambridgeinternational.org after the live examination series.

Cambridge Assessment International Education is part of Cambridge Assessment. Cambridge Assessment is the brand name of the University of Cambridge Local Examinations Syndicate (UCLES), which is a department of the University of Cambridge.