

Cambridge IGCSE[™]

CANDIDATE NAME		
CENTRE NUMBER	CANDIDATE NUMBER	

9014316318

GEOGRAPHY 0460/11

Paper 1 Geographical Themes

May/June 2023

1 hour 45 minutes

You must answer on the question paper.

You will need: Insert (enclosed)

Ruler

Calculator Protractor

INSTRUCTIONS

- Answer three questions in total, one from each section.
- 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 75.
- 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 24 pages. Any blank pages are indicated.

Section A

Answer one question from this section.

1 (a) Study Fig. 1.1, which shows information about the total world population since 1800 with estimates up to 2100.

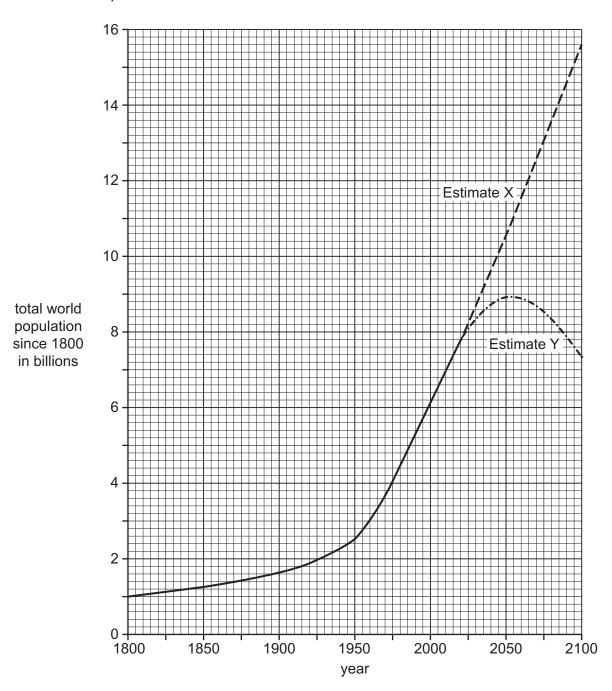


Fig. 1.1

(i)	What was the total population of the world in 2020?
	billions [1]
(ii)	Compare the growth of the world's population from 1800 to 1950 with the growth between 1950 and 2020. Use statistics in your answer.
	[2]
(iii)	Which of the two estimates for future population growth do you think is most likely, X or Y ? Give reasons for your choice.
	Estimate
	Reasons
	[3]
(iv)	Some countries are under-populated. Describe the problems caused by under-population .
	[4]

(b) Study Fig. 1.2, which shows information about types of migration.

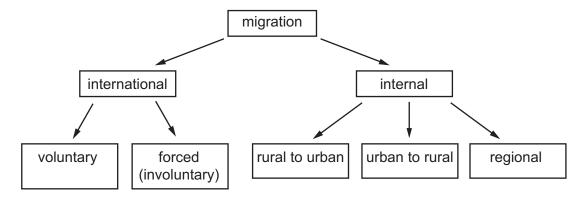


	FIg. 1.2
(i)	Define the following types of migration:
	international migration
	internal migration
	forced (involuntary) migration.
	[3]
ii)	Explain why large numbers of immigrants may have positive impacts on the area which
	they are moving to .
	res

()	For an example you have studied, explain why migration of large numbers of people has taken place. You should refer to push and pull factors.									
	Migration from	to								
	Explanation									
			[7]							

2	(a)	Study Figs.	2.1,	2.2	and	2.3	(Insert),	which	are	photographs	taken	in	different	types	of
		settlement.													

(i) Tick the statement which is true about the dispersed rural settlement shown in Fig. 2.1.

	tick (✓)
buildings are scattered amongst areas of farmland	
the area is densely populated	
there are many high order services in the settlement	
the settlement has grown up around a road junction	

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ш	

		[]]
(ii)	Identify two features of the settlement shown in Fig. 2.2 which are typical of an urba area.	an
	1	
	2	
		[2]
(iii)	State three different land uses in the rural-urban fringe shown in Fig. 2.3.	
	1	
	2	
	3	[3]
(iv)	Suggest problems which urban sprawl may cause for people and the natural environme in an area such as that shown in Fig. 2.3.	nt
		[4]

(b)	b) Study Fig. 2.4 (Insert), which is a map showing settlement in the basin of the Heihe Rinorth west China.									
	(i)	Describe the distribution of settlement in the area shown in Fig. 2.4 (Insert).								
		[3]								
	(ii)	Suggest different reasons for the distribution of settlement in the area shown in Fig. 2.4 (Insert).								
		[5]								

Name of area or settlement	Country	
name of area or settlement	Country	• • •
		•••
		•••
		•••
		•••

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Section B

Answer **one** question from this section.

3	(a)		dy Fig. 3.1 (Insert), which shows information about earthquakes between June a ober 2019.	and
		(i)	What was the magnitude of the earthquake in Pakistan on 24 September 2019?	
				[1]
		(ii)	Identify the name of the country from Fig. 3.1 where the earthquake:	
			caused the most injuries	
			damaged/destroyed the most buildings.	[2]
		(iii)	Compare the impacts of the earthquakes in the Philippines on 9 July and 26 July 201	9.
				[3]
		(iv)	Suggest reasons why the earthquakes in the Philippines (an LEDC) had a greater important the earthquakes in the USA (an MEDC) between June and October 2019.	act
				[4]

(b) Study Fig. 3.2, which shows an earthquake at a plate boundary.

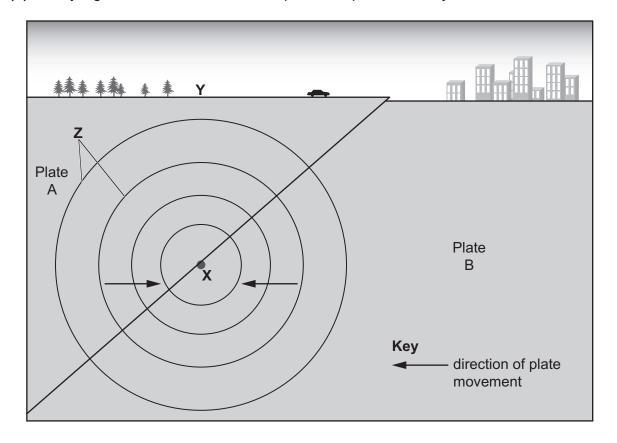


	FIg. 3.2	
(i)	Identify the features labelled X , Y and Z on Fig. 3.2.	
	X =	
	Y =	
	Z =	[3]
(ii)	Explain why earthquakes occur at plate boundaries, such as the one shown in Fig. 3	3.2.
		. [5]

eruption.
Name of volcano

4	(a)	Study Figs. 4.1, 4.2 and 4.3, (Insert), photographs taken on a beach in Spain. Figs. 4.2 and
		4.3 were taken at X and Y , which are labelled on Fig. 4.1.

(i)	Tick the statement	which	describes	the	coastline	shown	in F	ig. 4.1.
-----	--------------------	-------	-----------	-----	-----------	-------	------	----------

	tick (✓)
gently sloping beach with high cliffs	
gently sloping beach with low cliffs	
steeply sloping beach with high cliffs	
steeply sloping beach with low cliffs	

[1] Describe the beach material at **X** (Fig. 4.2) and **Y** (Fig. 4.3). (iii) Suggest reasons why the cliffs are eroding rapidly in the area shown in Fig. 4.1.[3] Suggest two methods which could be used to reduce coastal erosion in the area shown. For each method explain how it would reduce erosion. Method 2

(b) Study Fig. 4.4, which is a map showing an area formed by coastal deposition in the USA.

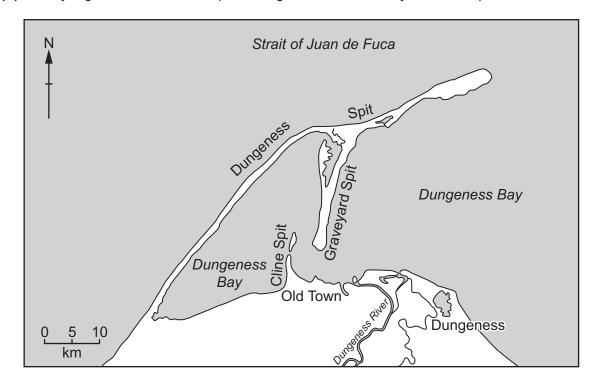


Fig. 4.4

Describe the main features of Graveyard Spit.
[3]
Describe the processes which form a spit.

(c)	Explain why many people live in a named coastal area which you have studied.
	Name of coastal area
	[7]

Section C

Answer **one** question from this section.

5 (a) Study Fig. 5.1, which shows information about rice farming in Laos, an LEDC in South East Asia.

Seasonal Rice Crop Calendar

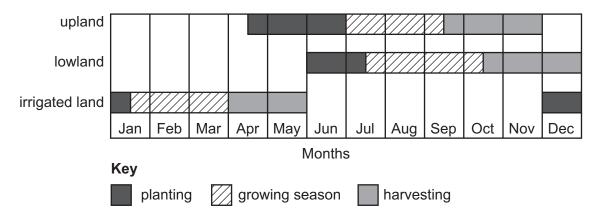


Fig. 5.1

(i)	Many rice farmers in the upland areas of Laos What is meant by <i>subsistence</i> farming?	are subsistence farmers.
		[1]
(ii)	Using Fig. 5.1, identify a month when:	
	lowland farmers plant rice	
	rice is harvested from irrigated land.	[2]
(iii)	Suggest why many farmers in lowland areas o	f Laos irrigate some of their land.
		เวา

	(IV)	Explain two advantages of growing crops and keeping animals on the same farm.	
		1	
		2	
/I=\	O4		_
(b)		dy Fig. 5.2 (Insert), which shows information about food consumption in different parts of world.	ΣŤ
	(i)	Using information from Fig. 5.2, suggest where shortage of food is most likely.	
			••
		[
	(ii)	Explain why many people in some parts of the world do not have enough food to eat.	رر
			••
			 51

(c)	Describe and explain the land use of a named farm or agricultural system you have studied.
	Named farm or agricultural system
	[7]

[Total: 25]

6 (a) Study Fig. 6.1, which shows information about the changes in methods of generating electricity in four countries which are predicted to occur by 2035.

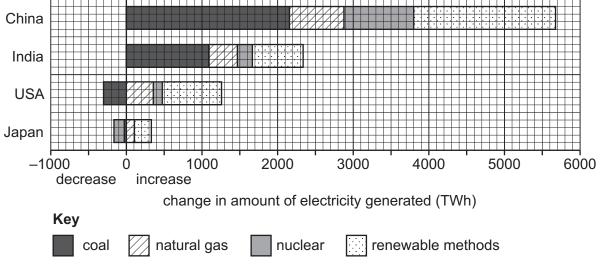


	Fig. 6.1	
(i)	What is the total increase in electricity generation which is predicted for India by 2035	?
	TWh	[1]
(ii)	Using Fig. 6.1, identify the following:	
	 the country where the generation of electricity using nuclear power is predicted decrease by 2035 	to
	 the country where the greatest amount of total extra electricity generated is predicted to be from renewable methods. 	ed
		[2]
(iii)	Compare the predicted changes in the amount of electricity generated by 2035 in Chin and the USA. Do not use statistics in your answer.	na

(iv) Explain why the generation of electricity is predicted to increase in many countries.

			[4]
(b)		y Fig. 6.2, which shows four plans which the government of an MED dering to maintain energy supplies in the future.	C in Europe is
		Plan 1	
		Build a new nuclear power station.	
		Plan 2	
		Increase the amount of wind generators offshore and in the mountains.	
		Plan 3	
		Search for oil and gas in offshore areas.	
		Plan 4	
		Import large amounts of coal from China.	
		Fig. 6.2	
	(:)	_	
		Give three reasons why some people in the country may object to Plan 1	
		1	
		2	
	;	3	
			[3]
			2-3

(ii)	Choose the plan, 2, 3 or 4, that you think will be most effective in maintaining energy supplies in the future.
	Explain your choice by referring to the advantages of your chosen plan and the disadvantages of the plans you have rejected.
	Plan chosen

(c)	For a country you have studied, describe the methods used to supply water .
	Country
	[7]

[Total: 25]

Additional page

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

Additional page

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