

Cambridge IGCSE[™]

GEOGRAPHY	Y aphical Themes		0460/11 May/June 2022
CENTRE NUMBER		CANDIDATE NUMBER	
CANDIDATE NAME			

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 28 pages.

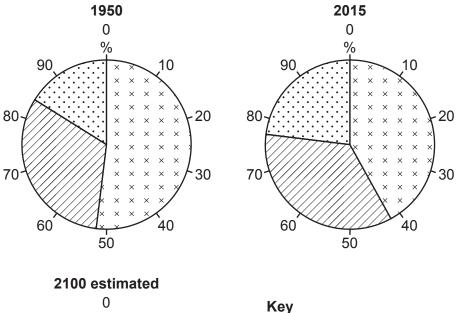


1 hour 45 minutes

Section A

Answer one question from this section.

1 (a) Study Fig. 1.1, which shows information about the world's population structure in 1950, 2015 and 2100 (estimated).



2100 estimated

0

%

10

× × ×

× × × ×

× × × × ×

× × × × ×

× × × × ×

30

40

Key age groups of the population

× × 0–24

25–49

∷ 50 and over

Fig. 1.1

(i)	What is meant by population structure?	
		[1

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(ii) Complete Fig. 1.1 using the following information about the estimated population in 2100.

age group	percentage of total population
25–49 years	30
50 and over	40

(iii)	Using information from Fig. 1.1 only , describe the changes in the world's population structure between 1950 and 2015 .
	[3]
(iv)	Suggest reasons for the changes in the percentage of the population aged between 0 and 24 years from 1950 to 2015.
	[4]

(b) Study Fig. 1.2, which is a population pyramid for Niger (an LEDC in Africa) in 2015.

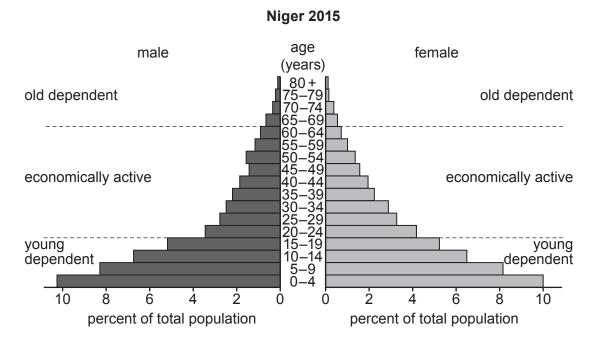


Fig. 1.2

(i)	Describe three features of the population pyramid of Niger which are typical of an LEDC
	1
	2
	3
	וז

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(ii)	Explain why the proportion of old dependents in an MEDC is likely to differ from that of Niger.
	[5]

For a named country you have studied, describe the problems caused by a large depende population.
Name of country

2 (a) Study Fig. 2.1, which shows information about internal migration to Mexico City, the capital of Mexico (an LEDC).

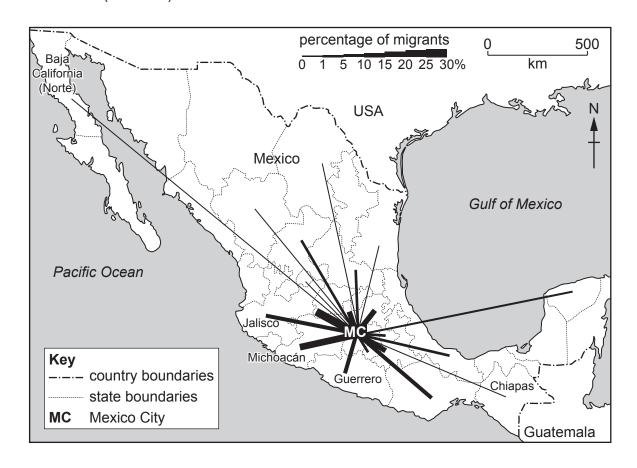


Fig. 2.1

(i)	What is meant by internal migrat	ion?	
			[1]
(ii)	Put the following three Mexicar migrants to Mexico City.	n states in rank orde	r according to the percentage of [2]
	Chiapas	Jalisco	Michoacán
		largest	
		smallest	

(iii)	Using evidence from Fig. 2.1 only , suggest why there is more migration to Mexico City from Guerrero than Baja California (Norte).
	[3]
(iv)	Describe the problems caused in rural areas in LEDCs as a result of large amounts of people migrating away from them .
	[4]

(b) Study Fig. 2.2, which shows information about two squatter settlements in Mexico City.

name of squatter settlement	Chalma	Isidro Fabela
density: average space per person (m ²)	34	29
building materials used for walls	%	%
scrap materials	20	5
bricks or breeze blocks	80	95
building material used for roof	%	%
scrap materials	33	28
corrugated iron	52	23
concrete or tiles	15	49
water provision	%	%
public standpipe	87	2
tap in home	13	98
electricity provision	%	%
illegal connection	88	0
legal supply	12	100

Fig. 2.2

(i)	Using Fig. 2.2 only , describe three differences between Chalma and Isidro Fabela. Do not use statistics in your answer.
	1
	2
	3
	[3]

(ii)	Explain the difficulties faced by people living in squatter settlements.
	15

lame of urban	area in LEDC	 	 	

Section B

Answer **one** question from this section.

3 (a) Study Fig. 3.1, which is a sketch showing an area of coastline.

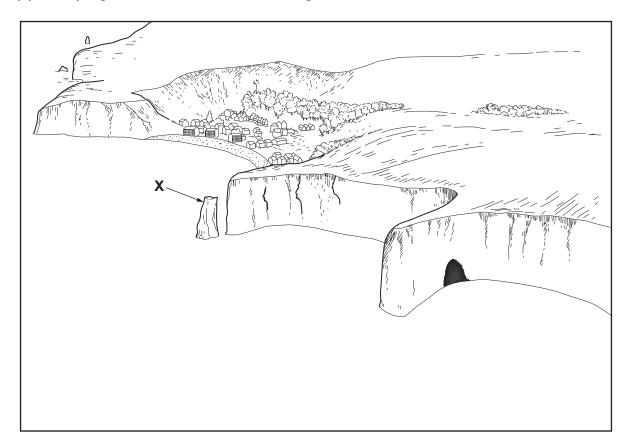


Fig. 3.1

(i)	Identify the feature labelled X.	
		[1
(ii)	Use labelled arrows to identify the following features in Fig. 3.1:	
	- cave	
	- beach.	[2

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	(iii)	Explain how the process of abrasion (corrasion) may have formed the cave you have labelled in Fig. 3.1.
		[3]
	(iv)	Suggest why bays and headlands have developed along the coast shown in Fig. 3.1.
		[4]
(b)	Stud	dy Fig. 3.2 (Insert), which is a photograph of an area of coastline.
	(i)	Describe the benefits of living in a coastal area such as that shown in Fig. 3.2.
		[3]

(ii)	settlements.	
		[5]

• • •	
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• • •	
• • •	
• • •	
• • •	
• • •	

(a) Stu	idy Fig. 4.1 (Insert), which is a photograph of a river near its source. What is meant by the <i>source</i> of a river?
(-)	
	[1]
(ii)	Describe two features shown in Fig. 4.1 which are typical of a river near its source. 1
	2
	[2]
(iii)	Explain how the river shown in Fig. 4.1 may have eroded its valley by hydraulic action.
	[3]
(iv)	Explain how potholes may form along rivers such as the one shown in Fig. 4.1.
	[4]

(b)	Stud	dy Fig. 4.2 (Insert), which is a photograph of Cairo and the River Nile, in Egypt (an LEDC).
	(i)	Suggest reasons why many large urban settlements, such as Cairo, have grown up close to rivers.
		[3]
	(ii)	Explain why living close to a river, such as the Nile, may be hazardous.
		[5]

Explain how an oxbow lake is formed. You should include a labelled diagram or diagrams the box below.

[7]

[Total: 25]

Section C

Answer one question from this section.

5 (a) Study Fig. 5.1, which is a graph showing information about the use of water in different continents.

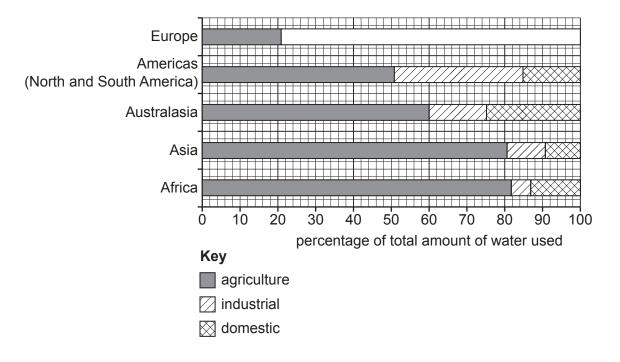


Fig. 5.1

(ii) Complete Fig. 5.1 using the following information about the use of water in Europe.

use	percentage of total water used
industrial	57
domestic	22

[2]

(iii)	Compare the use of water in Asia and the Americas.
	[3]
(iv)	Suggest reasons why most water in Africa is used for agriculture.
	[4]
(b) Stu	dy Fig. 5.2 (Insert), which is a map showing the planned Ilisu dam in Turkey.
(i)	Describe three features of the reservoir which will be created by the Ilisu dam scheme.
	1
	2
	3

(ii)	Suggest the advantages and disadvantages of the Ilisu dam scheme.
	Advantages
	Disadvantages
	[5]

For a named country or area you have studied, describe the methods used to supply energy.
Name of country or area
[7]

6 (a) Study Fig. 6.1, which is a graph showing the changes in employment in different sectors in South Africa (an MEDC) between 2008 and 2014.

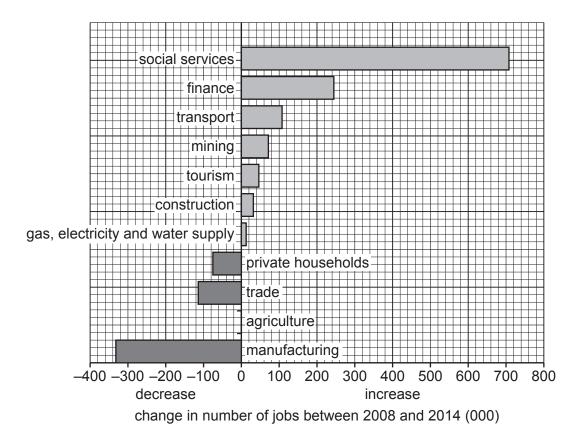


Fig. 6.1

(i) Complete Fig. 6.1 by using the following information.

	The number of jobs in agriculture decreased by 120 000.	[1]
(ii)	Compare the increase in jobs in finance and tourism between 2008 and 2014. Use statistics in your answer.	

(iii)	Suggest three reasons for the decline in employment in manufacturing in South Africa.
	1
	2
	3
	[3]
(iv	Explain why the tourist industry is important in many countries.
	[4]
	rudy Fig. 6.2 (Insert), which is a photograph of part of Lanzarote, a Spanish island where urism is important.
(i)	Using Fig. 6.2 only , identify three natural attractions of Lanzarote for tourism.
	1
	2
	3
	[3]

(ii)	Suggest the problems which the tourist industry may cause for people who live i Lanzarote.	n
		٠.
	Į.	51

(c)	For a named area you have studied, explain how an economic activity may damage the local natural environment.
	Name of area
	Economic activity
	[7]

Additional pages

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

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