UNIVERSITY OF CAMBRIDGE INTERNATIONAL EX
International General Certificate of Secondary Educati

CANDIDATE NAME

CENTRE NUMBER | | | | | |

CAN NUMBER

6523019788

GEOGRAPHY **0460/11**

Paper 1 **May/June 2013**

1 hour 45 minutes

Candidates answer on the Question Paper.

Additional Materials: Ruler
Calculator

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces provided.
Write in dark blue or black pen.
You may use a soft pencil for any diagrams, graphs or rough working.
Do not use staples, paper clips, highlighters, glue or correction fluid.
DO **NOT** WRITE ON ANY BARCODES.

Write your answer to each question in the space provided. If additional space is required, you should use the lined page at the end of this booklet. The question number(s) must be clearly shown.

Answer **three** questions.

The Insert contains Photograph A for Question 4 and Photograph B for Question 6.
The Insert is **not** required by the Examiner.
Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

At the end of the examination, fasten all your work securely together.
The number of marks is given in brackets [ ] at the end of each question or part question.

For Examiner's Use	
Q1	
Q2	
Q3	
Q4	
Q5	
Q6	
Total	

This document consists of **28** printed pages and **1** Insert.

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UNIVERSITY of CAMBRIDGE International Examinations

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QUESTION 1

1 **(a)** Study Fig. 1, which shows the population pyramids of Mex (MEDC).

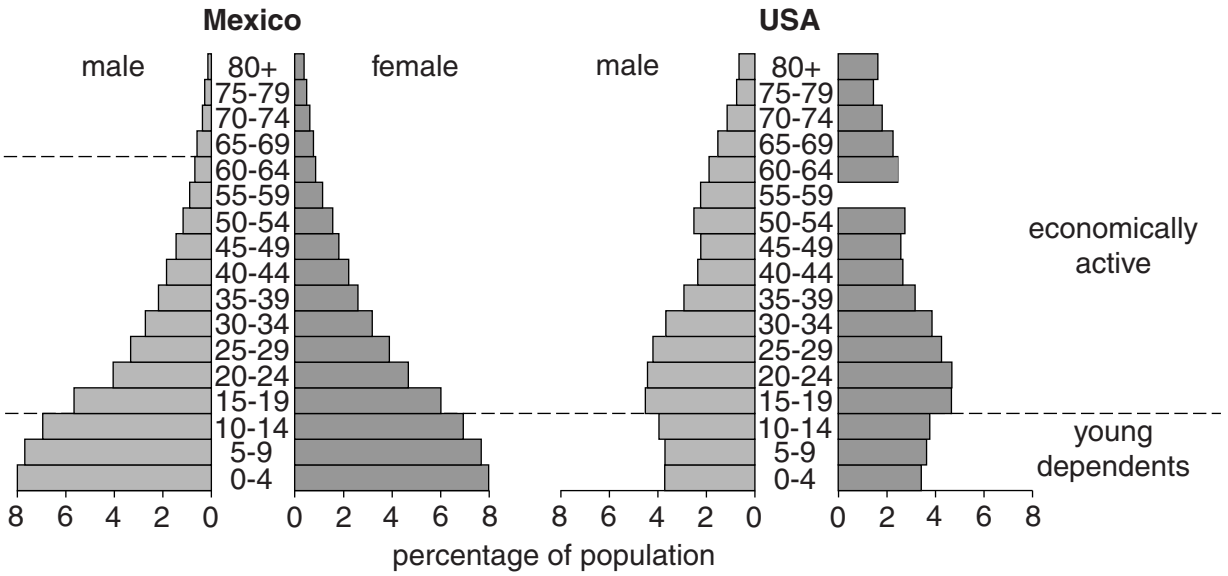


Fig. 1

(i) What is meant by *economically active*?

.....

..... [1]

(ii) What evidence in the population pyramids shown in Fig. 1 suggests that:

A people in Mexico have a shorter life expectancy than people in the USA;

.....

.....

B the USA has a lower birth rate than Mexico?

.....

..... [2]

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(iii) Compare the percentage of young dependents in Mexic
Support your answer with figures.

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..... [3]

(iv) Explain why, in LEDCs such as Mexico, young dependents make up a large percentage of the population.

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..... [4]

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(b) Study Fig. 2, which shows changes in the number of old depe

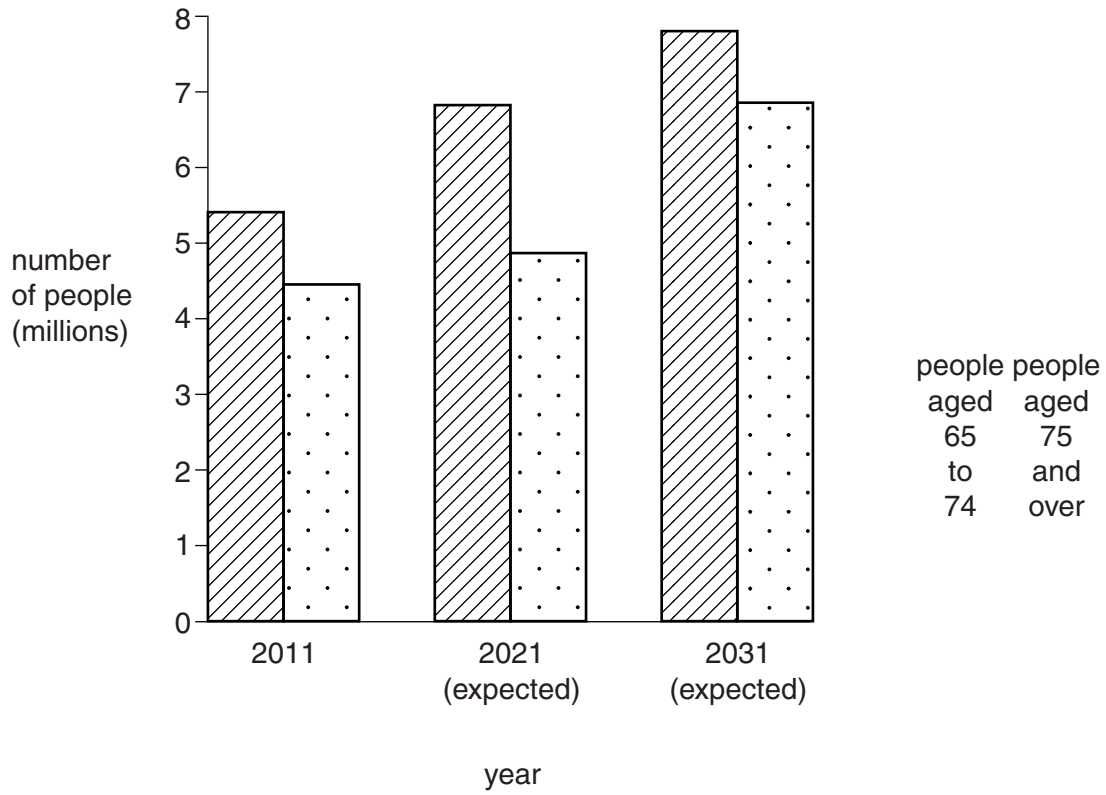


Fig. 2

(i) Describe how the number of people **aged 75 and over** is expected to change in the UK between 2011 and 2031. Support your answer with figures.

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..... [3]

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(ii) Explain why the governments of MEDCs, such as the U ageing population.

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..... [5]

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(c) For a named country, state a policy which has been used to in growth. Describe the impacts of this policy.

Name of country .....

Policy .....

Impacts .....

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..... [7]

[Total: 25 marks]

END OF QUESTION 1

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QUESTION 2

2 (a) Study Fig. 3, which shows cities which are expected to have 5 million by 2015.

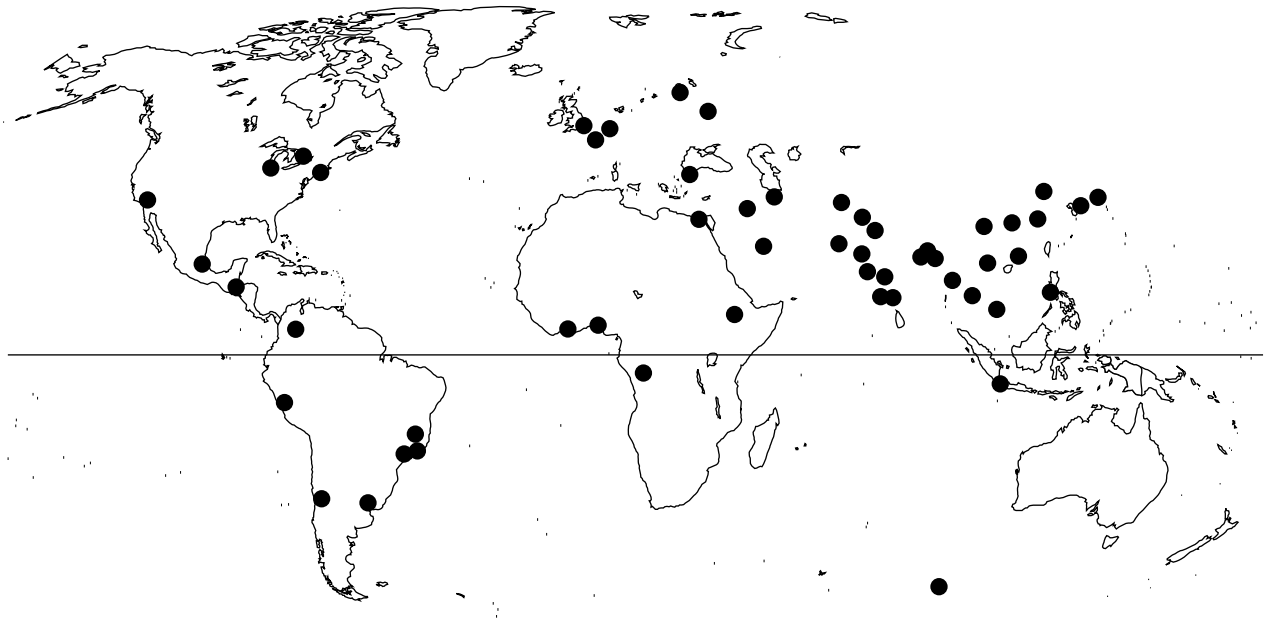


Fig. 3

(i) Name the continent which will have most cities with a population greater than 5 million by 2015.

..... [1]

(ii) State **two** other features of the distribution of the cities shown in Fig. 3.

1 .....

.....

2 .....

..... [2]

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(iii) Explain how large cities in LEDCs can result from:

A natural population growth;

.....

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..... [3]

B migration.

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..... [4]

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(b) Study Fig. 4, which shows information about the urban pop
(poor quality housing) in 1990 and 2007 in a selection of LED

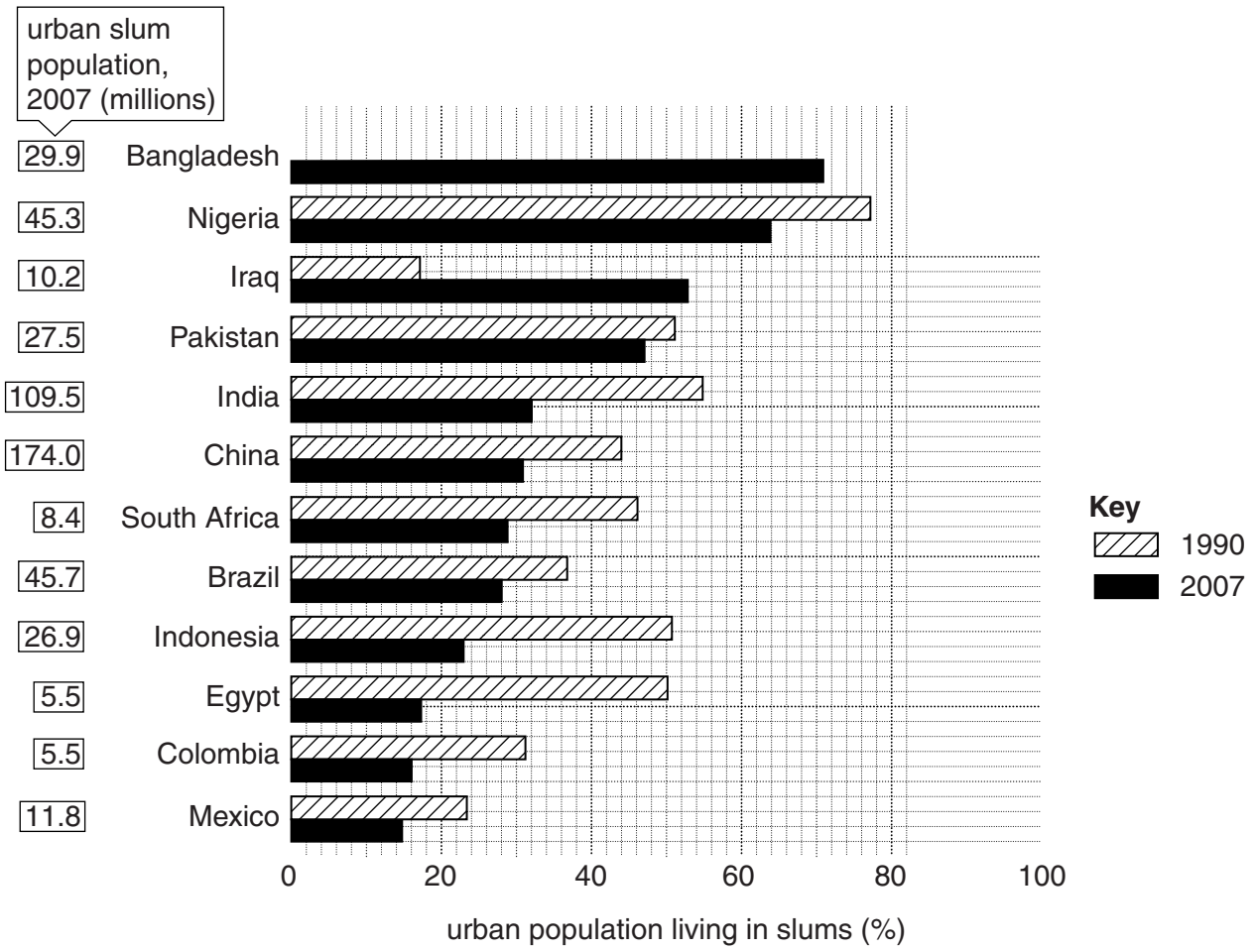


Fig. 4

(i) Identify the country where:

A the highest **number** of people lived in slums in 2007;

.....

B the highest **percentage** of the population lived in slums in both 1990 and 2007;

.....

C the **percentage** of people living in slums increased between 1990 and 2007.

.....

[3]

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(ii) Explain why many people in cities in LEDCs live in slum

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..... [5]

(c) Name a city and describe what has been done to improve living conditions in the slums found there.

Name of city .....

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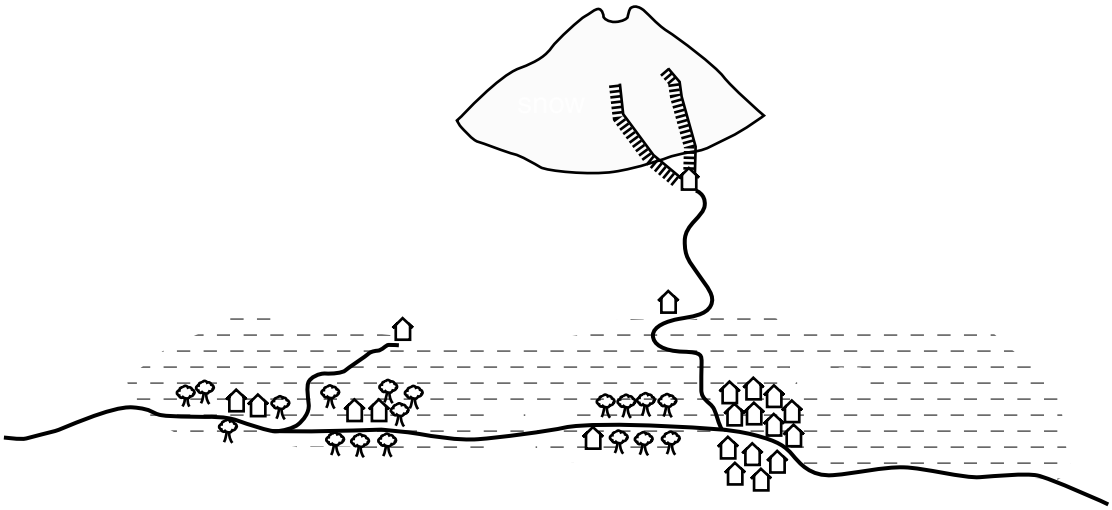
[Total: 25 marks]

END OF QUESTION 2

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QUESTION 3

3 **(a)** Study Figs 5A and 5B, which show a volcano before and afte



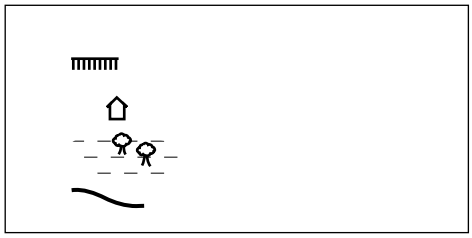


Fig. 5A

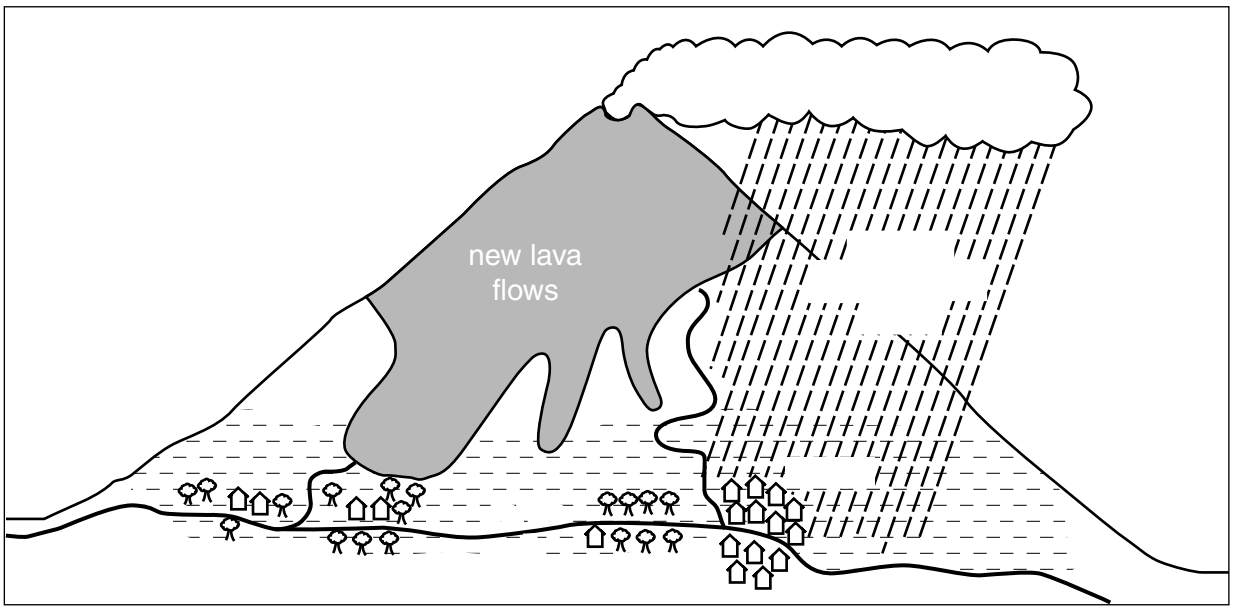


Fig. 5B

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(i) Identify a tourist facility shown on Fig. 5A, which was eruption.

.....

(ii) Describe **two** likely problems for people who live in the a 5B as a result of the volcanic eruption.

1 .....

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2 .....

..... [2]

(iii) Explain why some volcanoes erupt on **constructive** (divergent) plate boundaries.

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..... [3]

(iv) Describe the opportunities offered by volcanoes for people who live close to them.

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(b) Study Fig. 6, which shows the location of the Himalayas mou

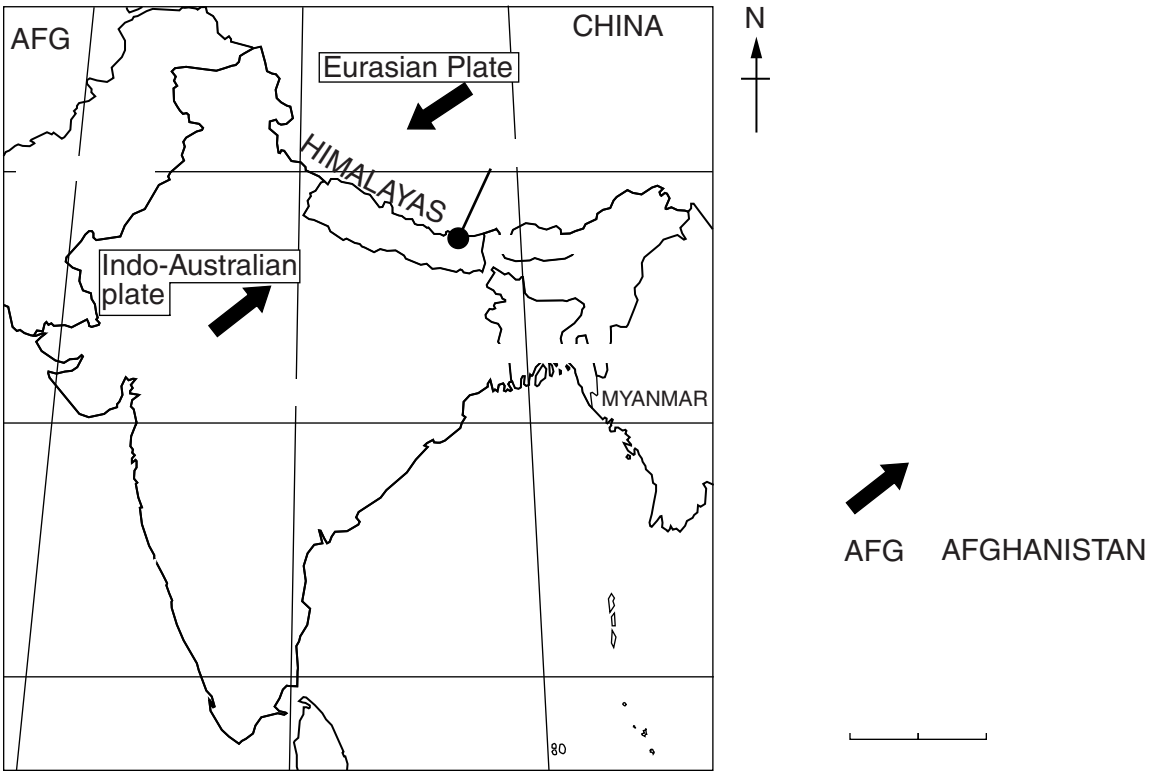


Fig. 6

(i) Describe the location of Mt. Everest.

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..... [3]

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(ii) Explain how the Himalayas were formed as a result of pl

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..... [5]

(c) Name an area which you have studied where there has been an earthquake. Describe the effects of this earthquake.

Name of area .....

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..... [7]

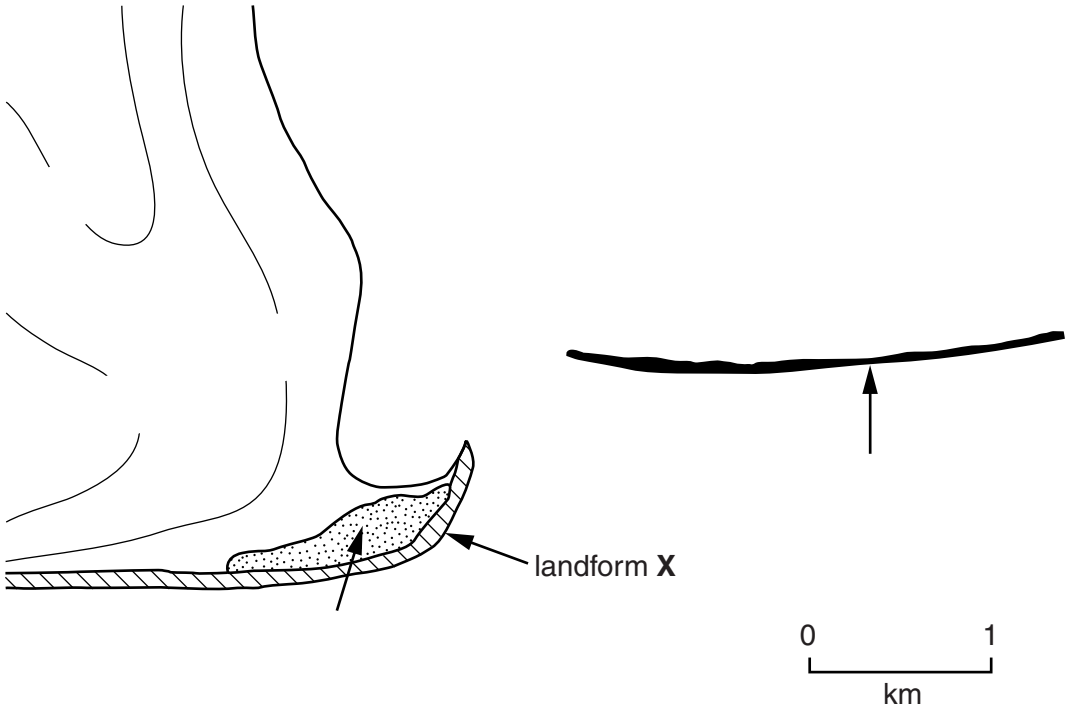
[Total: 25 marks]

END OF QUESTION 3

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QUESTION 4

4 (a) Study Fig. 7, which shows an area of coastline.



	height above sea level
	clay cliffs
	sand and shingle
	sand dunes

Fig. 7

(i) Identify the coastal landform labelled **X** on Fig. 7.

..... [1]

(ii) Using evidence from Fig. 7 **only**, describe **two** features of the coastal landform labelled **X**.

1 .....

.....

2 .....

..... [2]

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(iii) Explain how coastal processes formed landform **X**. Yo
diagram.

.....

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[3]

(iv) Explain how sand dunes are formed in areas of coastal lowland, such as area **Z** on Fig. 7.

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..... [4]

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(b) Study Photograph A (Insert), which shows the cliffs labelled

(i) Suggest why the cliffs shown in Photograph A are erodi

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..... [3]

(ii) Explain how erosion of cliffs, such as those shown in Photograph A, could cause problems for people.

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..... [5]

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(c) Most deltas are located on the coast. Describe the benefits a delta which you have studied.

Name of delta .....

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..... [7]

[Total: 25 marks]

END OF QUESTION 4

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QUESTION 5

5 (a) Study Fig. 8, which shows information about domestic use of Europe) and Sudan (LEDC in Africa).

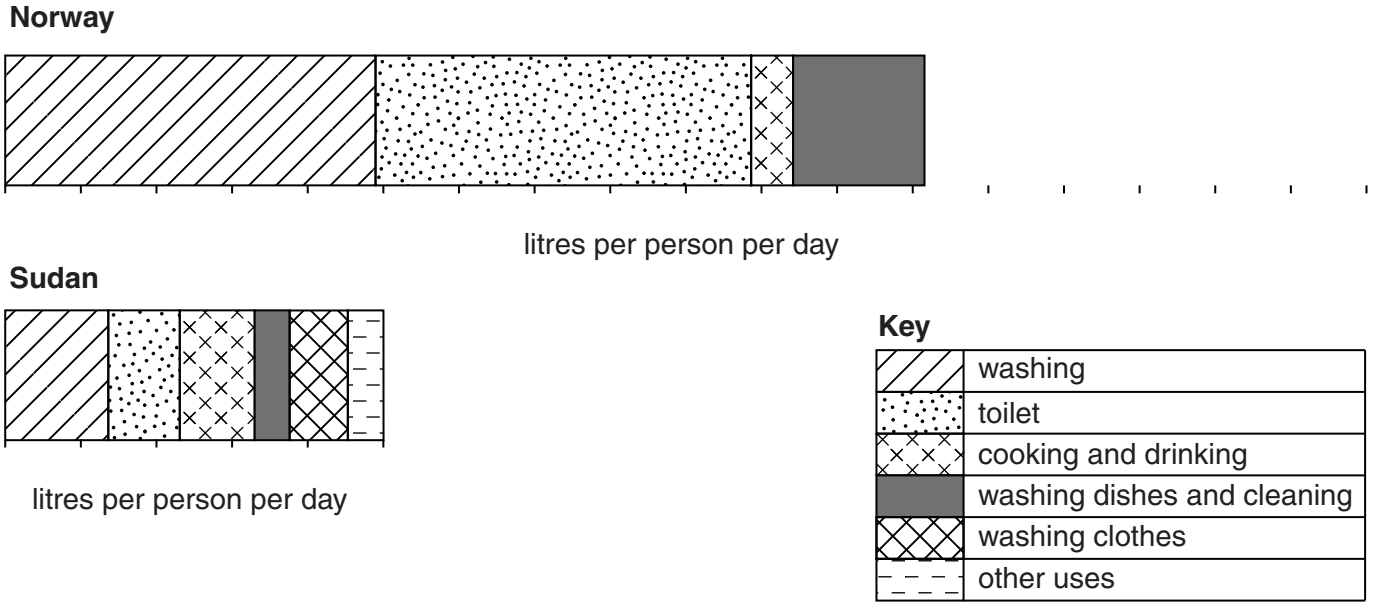


Fig. 8

(i) What is meant by *domestic use of water*?

.....

..... [1]

(ii) Compare the **total** daily domestic use of water per person in Norway and Sudan. Use statistics from Fig. 8 in your answer.

.....

.....

.....

..... [2]

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(iii) Using evidence from Fig. 8 **only**, identify **three** other domestic use of water in Norway and Sudan.

1 .....

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2 .....

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3 .....

..... [3]

(iv) Suggest reasons for differences in the domestic use of water in Norway and Sudan.

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..... [4]

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(b) Study Fig. 9, a map of the Mangla Reservoir and Dam in Pak
The Mangla Dam is a multi-purpose project which was compl
height of the dam has been raised by over 9 metres.

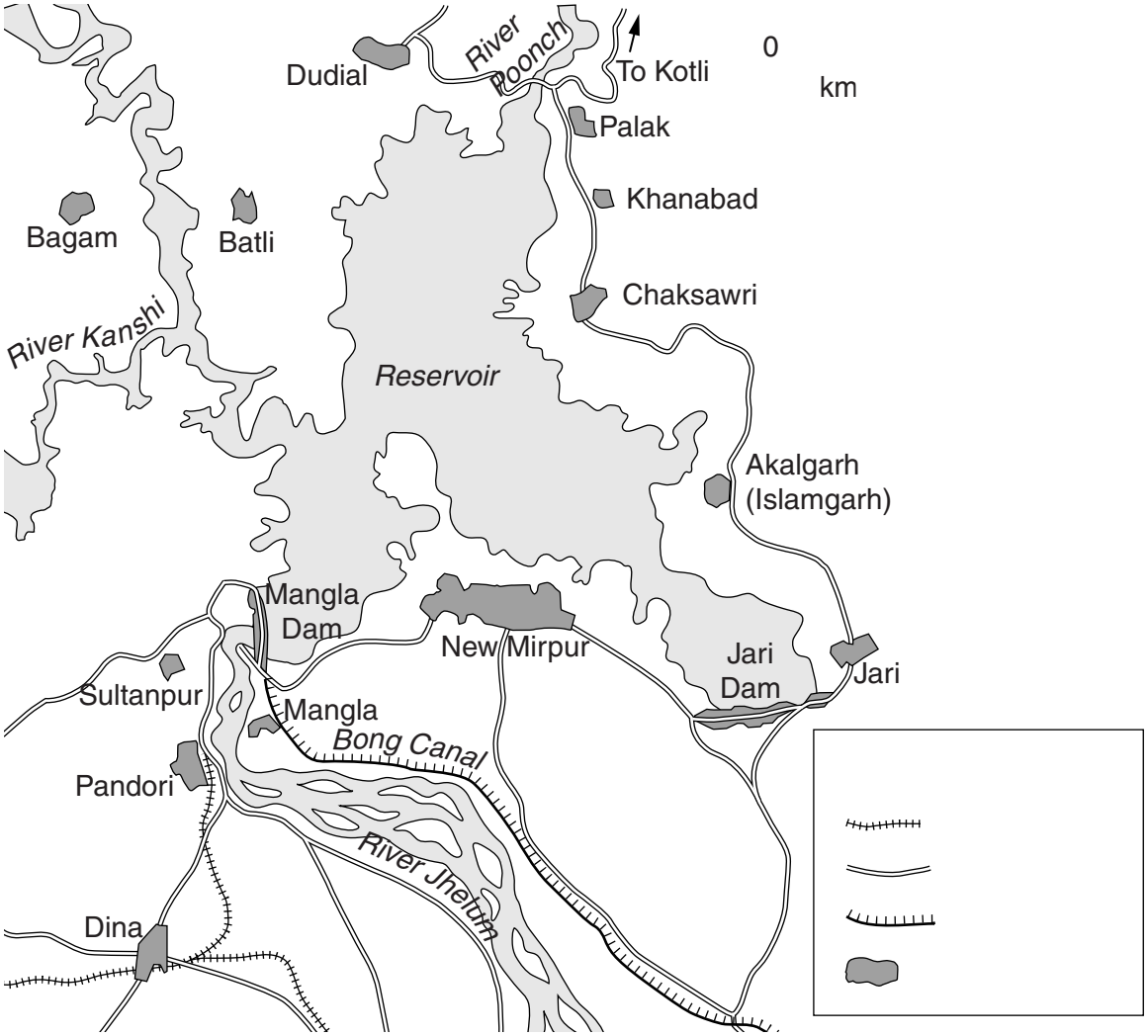


Fig. 9

(i) Describe the location of the Mangla Dam.

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..... [3]

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(ii) Suggest the benefits and problems of increasing the hei
people living in the area shown in Fig. 9.

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..... [5]

(c) Name an example of a sea, lake or river which has been polluted by human activity. Describe the causes of pollution and its effects on the natural environment.

Name of sea, lake or river .....

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..... [7]

[Total: 25 marks]

END OF QUESTION 5

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QUESTION 6

6 (a) Study Fig. 10, which shows the environmental impacts processed cheese, along with Photograph B (Insert) which product.

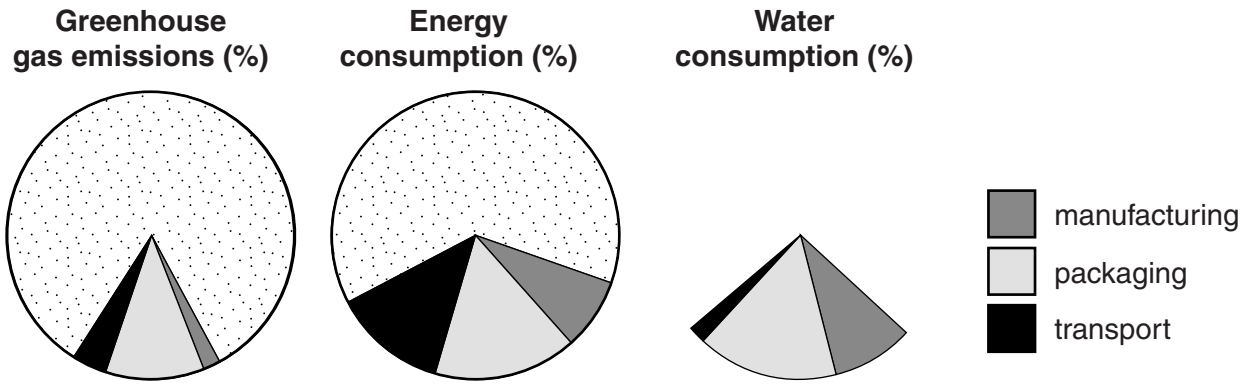


Fig. 10

(i) During which stage is there the greatest environmental impact?
Underline the correct answer.

producing raw materials

manufacturing

packaging

transport

[1]

(ii) Identify **two** ways in which the transport of the manufactured product may damage the natural environment.

1 .....

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2 .....

..... [2]

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(iii) Suggest **three** ways in which the environmental i
transporting this manufactured product could be reduce

1 .....

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2 .....

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3 .....

..... [3]

(iv) Explain how greenhouse gas emissions may cause an increase in global temperatures.

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(b) Study Fig. 11, information about making silicon chips which the manufacture of computers.

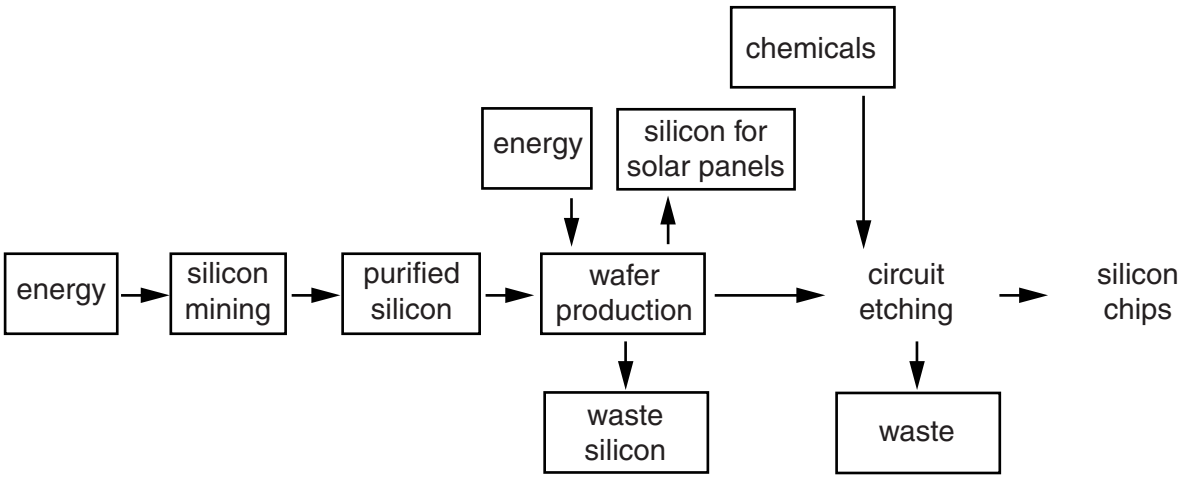


Fig. 11

(i) Identify an input, a process and an output in the manufacture of silicon chips.

Input .....

Process .....

Output ..... [3]

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(ii) Silicon is also a component of solar panels which ar
energy, an alternative to using fossil fuels.
Explain why in many countries only small amounts of
are used.

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..... [5]

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(c) Name an area where manufacturing or processing industry example of a type of industry (or factory) which you have st the reasons for its growth at that location.

Name of area .....

Type of industry .....

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..... [7]

[Total: 25 marks]

END OF QUESTION 6

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Additional Page

If you use the following lined page to complete the answer(s) to any number(s) must be clearly shown.

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Copyright Acknowledgements:

Question 2 Fig. 4	© adapted: *Slums Graph*; http://filipspagnoli.wordpress.com/stats-on-human-rights/statistics-on-poverty/statistics-on-poverty-urbanization-and-slums.
Question 4 Photograph A	S Sibley © UCLES.
Question 5 Fig. 9	© adapted: Wideworld Magazine; Philip Allan Publishers; April 1997.
Question 6 Fig. 10	© adapted: http://www.groupe-bel.com/bebel/en/corporate-social-responsibility/sustainable-development-2-3/environment-and-ecodesign.html.
Question 6 Fig. 11	© adapted: http://cartanova.ca/green-business-blog/item/71-the-environmental-impact-of-the-internet.
Question 6 Photograph B	S Sibley © UCLES.

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