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GEOGRAPHY **0460/11**

Paper 1 Geographical Themes **October/November 2022**

1 hour 45 minutes

You must answer on the question paper.

You will need: Insert (enclosed)
Calculator
Ruler

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.

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Section A

Answer **one** question from this section.

1 **(a)** Study Fig. 1.1, which shows information about birth rates and death rates in China between 1950 and 2020.

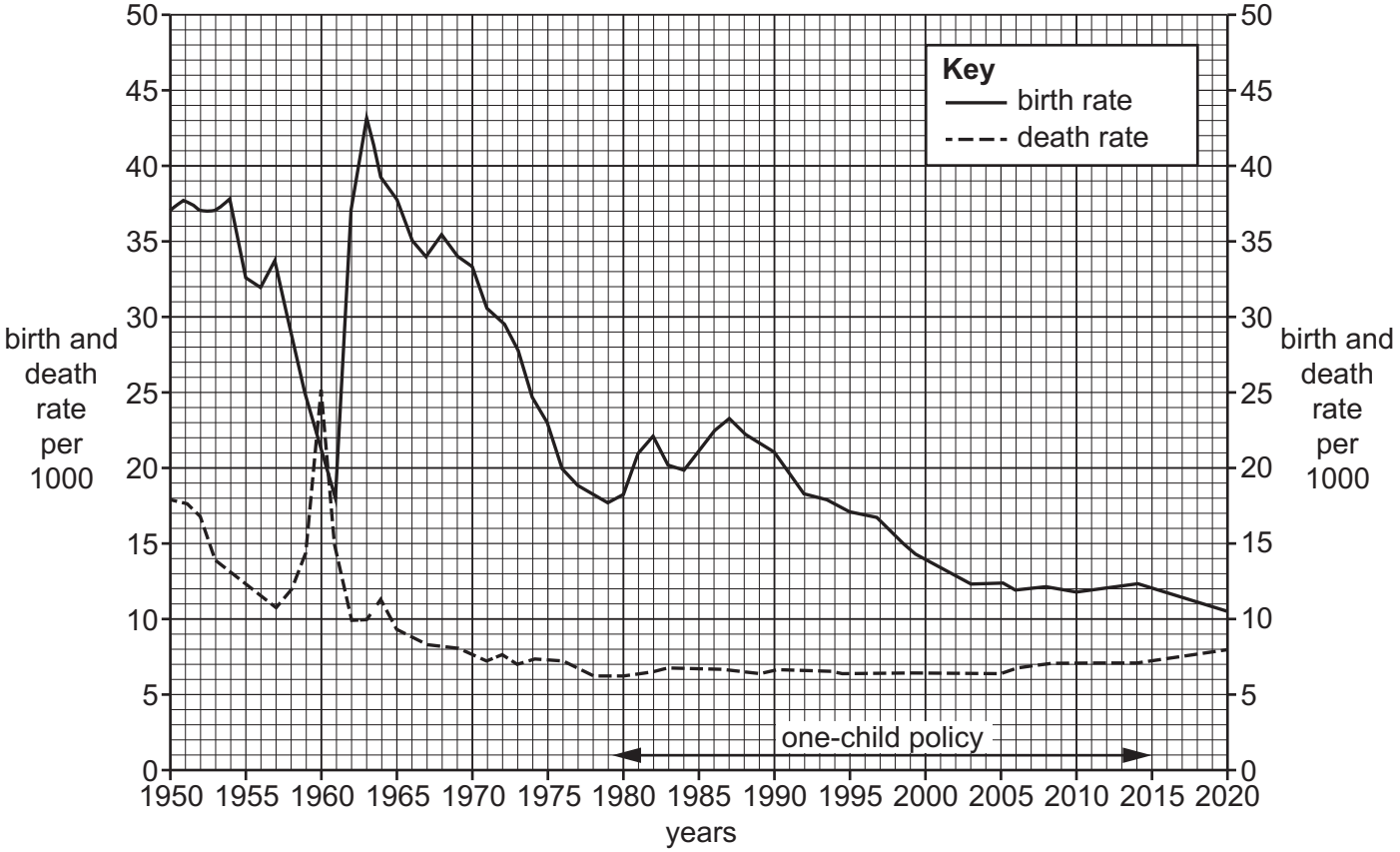


Fig. 1.1

(i) What is meant by *birth rate*?

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..... [1]

(ii) Which of the following statements are true about birth rates and death rates in China during the period shown in Fig. 1.1?
Tick (✓) **two** answers in the table below:

	tick (✓)
The death rate has declined every year.	
The birth rate has always been higher than the death rate.	
Both the birth rate and the death rate declined overall.	
Natural population growth increased overall.	
The birth rate has fluctuated more than the death rate.	

[2]

(iii) Using Fig. 1.1, calculate the reduction in the natural population growth rate of China between 1950 and 2020.
You should show your calculations in the box below.

..... per 1000

[3]

(iv) The one-child policy was a strategy used by the government of China between 1979 and 2015 to influence natural population growth rates.
Using Fig. 1.1 **only**, describe the impacts of the one-child policy on **birth rates** in China.
You should refer to years and use statistics in your answer.

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(b) Study Figs. 1.2 and 1.3, which are population pyramids showing the structure of China's population in 2010 and 2050 (predicted).

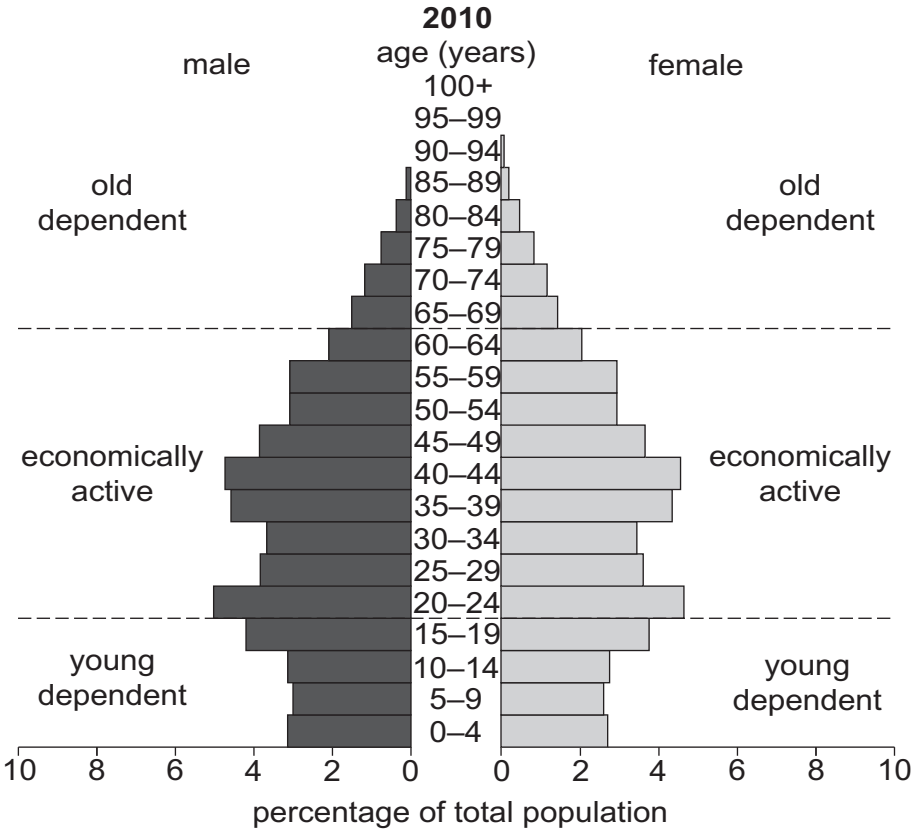


Fig. 1.2

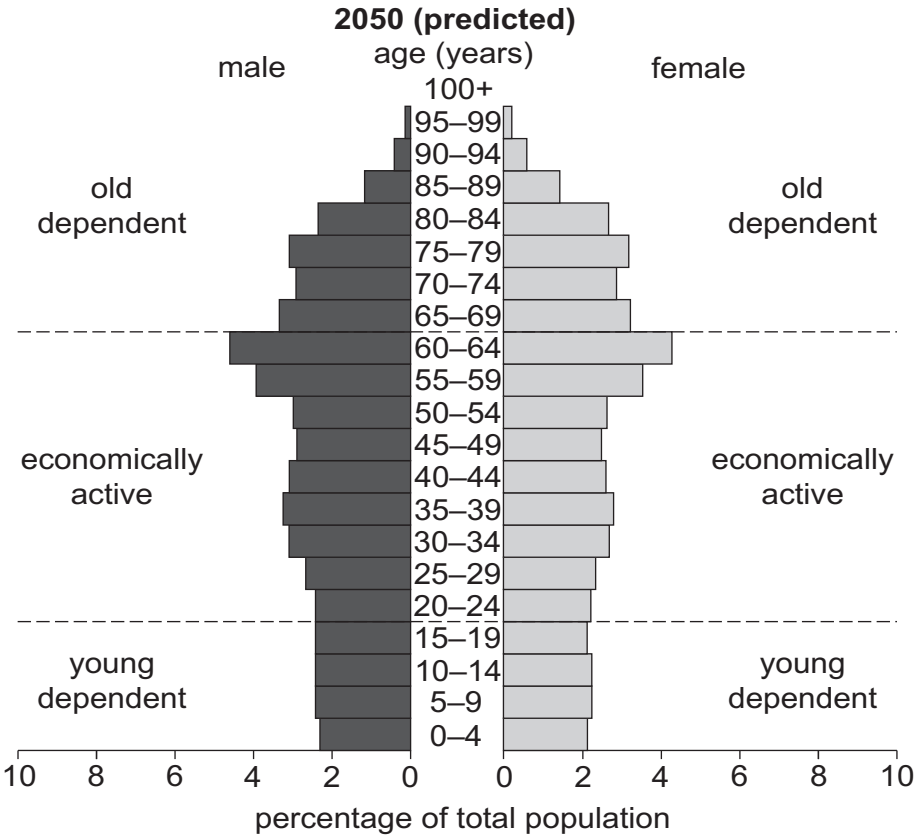


Fig. 1.3

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(i) Describe the changes which are predicted in China's economically active population between 2010 and 2050.

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..... [3]

(ii) Suggest ways in which a large **old** dependent population is likely to cause problems for countries such as China in the future.

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(c) For a named country you have studied, describe the problems caused by overpopulation.

Name of country .....

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[Total: 25]

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2 **(a)** Study Fig. 2.1 (Insert), which is a map showing information about the population in selected countries in Asia.

(i) What is meant by *urbanisation*?

.....

..... [1]

(ii) Put the following three countries in rank order according to their total population and the percentage of their population living in urban areas.

China India Indonesia

total population

1st ..... largest

2nd .....

3rd ..... smallest

percentage of population living in urban areas

1st ..... largest

2nd .....

3rd ..... smallest [2]

(iii) Suggest **three** different reasons why many people migrate from rural to urban areas in the countries shown on Fig. 2.1.

1 .....

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2 .....

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3 .....

..... [3]

(iv) Explain how rural areas may both benefit and be disadvantaged by migration away from them.

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..... [4]

(b) Study Fig. 2.2 (Insert), which is a photograph of homes in a squatter settlement in the urban area of Dhaka, Bangladesh (an LEDC).

(i) Describe **three** features of the homes shown in Fig. 2.2.

1 .....

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2 .....

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3 .....

..... [3]

(ii) Using Fig. 2.2, suggest problems faced by people as a result of living in the squatter settlement.

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..... [5]

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(c) For a named urban area you have studied, describe what has been done to reduce housing problems.

Name of urban area ....

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[Total: 25]

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Section B

Answer **one** question from this section.

3 **(a)** Study Fig. 3.1, which shows a method of protecting the coast from erosion.

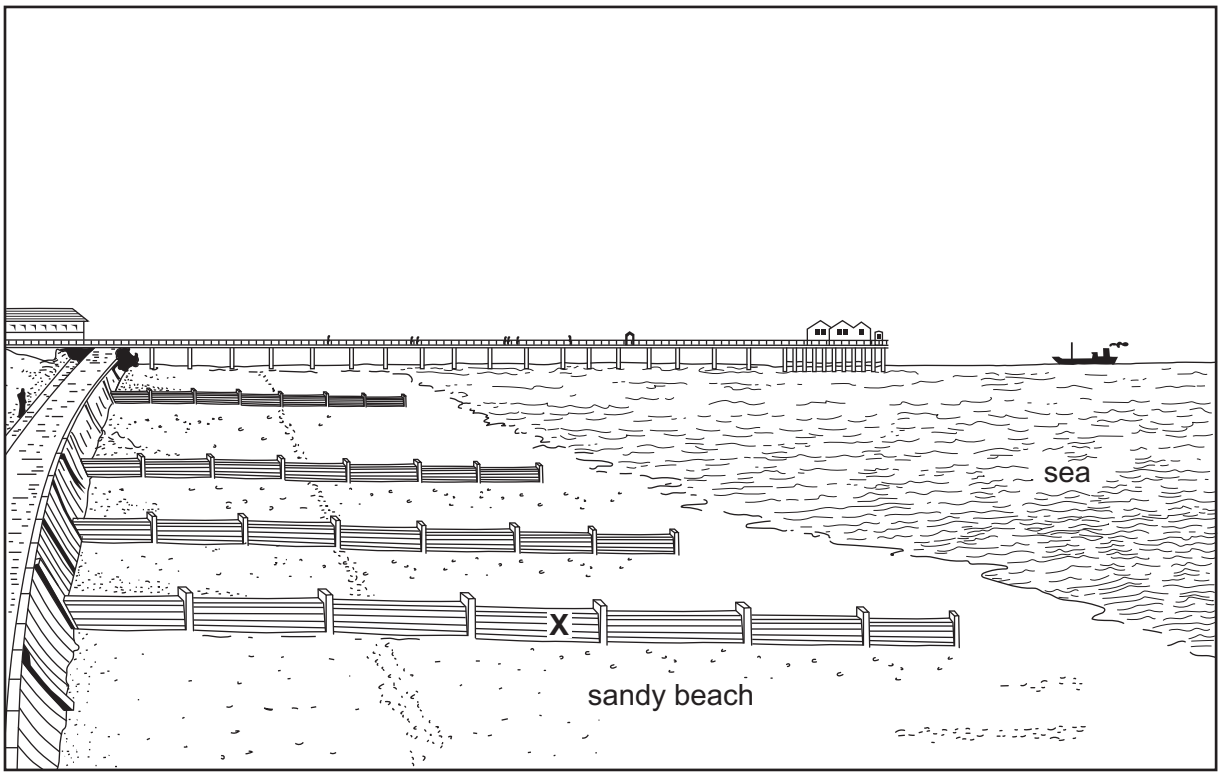


Fig. 3.1

(i) Identify the method of coastal protection which is labelled **X** in Fig. 3.1.

..... [1]

(ii) Explain how the method labelled **X** in Fig. 3.1 protects the coast from erosion.

.....

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..... [2]

(iii) Suggest **three** reasons why some coastlines are protected from erosion.

1 .....

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2 .....

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3 .....

..... [3]

(iv) State **two** other methods which can be used to protect a coastline from erosion.
For each method explain how it works.

Method 1 .....

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.....

Method 2 .....

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.....

..... [4]

(b) Study Fig. 3.2 (Insert), which is a photograph of an area of coastline.

(i) Identify **three** landforms shown in Fig. 3.2 which have been formed by coastal erosion.

1 .....

2 .....

3 ..... [3]

(ii) Explain how waves erode coastlines such as the one shown in Fig. 3.2.

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(c) Explain how a named coastal area you have studied offers opportunities for people who live there.

Name of area ....

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[Total: 25]

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4 **(a)** Study Fig. 4.1 (Insert), which is a photograph of part of a river.

(i) Which river feature is shown in Fig. 4.1?

Underline **one** answer in the list below:

confluence oxbow lake potholes source [1]

(ii) What evidence from Fig. 4.1 suggests that:

– the river is carrying a large load in suspension?

.....

.....

– deposition is taking place?

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..... [2]

(iii) Another area where a river deposits its load is on its delta.
Explain why deposition takes place on a delta.

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..... [3]

(iv) Describe how the river and its valley which are shown in Fig. 4.1 are likely to differ from the river and valley upstream.

river .....

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valley .....

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..... [4]

(b) Study Fig. 4.2, which is information about river flooding in Spain.

Torrential rainfall from 11 to 14 September 2019 caused major flooding in south-eastern Spain.

Ontinyent in Valencia Province recorded 296.4 mm of rain in 24 hours on 12 September. This is equivalent to about half the yearly average and is the second highest daily rainfall total on record for Ontinyent.

By 12 September several rivers had broken their banks. The overflowing Segura river caused major flooding in the town of Orihuela, Alicante Province, and flooding from the Cànyoles river in Moixent, Valencia Province, caused major problems.

Fig. 4.2

(i) Suggest **three** different problems which may have been caused by the river flooding in towns such as Orihuela and Moixent.

1 .....

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2 .....

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3 .....

..... [3]

(ii) Suggest how the Segura and Cànyoles rivers could be managed to reduce the risk of flooding.

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(c) Explain why many people live close to a named river you have studied.

Name of river .....

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[Total: 25]

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TURN PAGE FOR QUESTION 5

Section C

Answer **one** question from this section.

5 **(a)** Study Fig. 5.1, which is a graph showing information about the employment structure of selected countries.

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Fig. 5.1

(i) What is meant by the term *employment structure*?

.....

..... [1]

(ii) Give **one** example of jobs in each of the following:

– primary sector .....

– tertiary sector ..... [2]

(iii) Using Fig. 5.1, describe **three** differences between the employment structure of Bangladesh and Brazil. Do **not** use statistics in your answer.

1 .....

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2 .....

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3 .....

..... [3]

(iv) Explain why a large percentage of the population in MEDCs, such as UK and USA, work in the tertiary sector.

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..... [4]

(b) Study Fig. 5.2, which is a scatter graph showing the relationship between the Human Development Index (HDI) for a country and the percentage of its population with access to improved water sources.

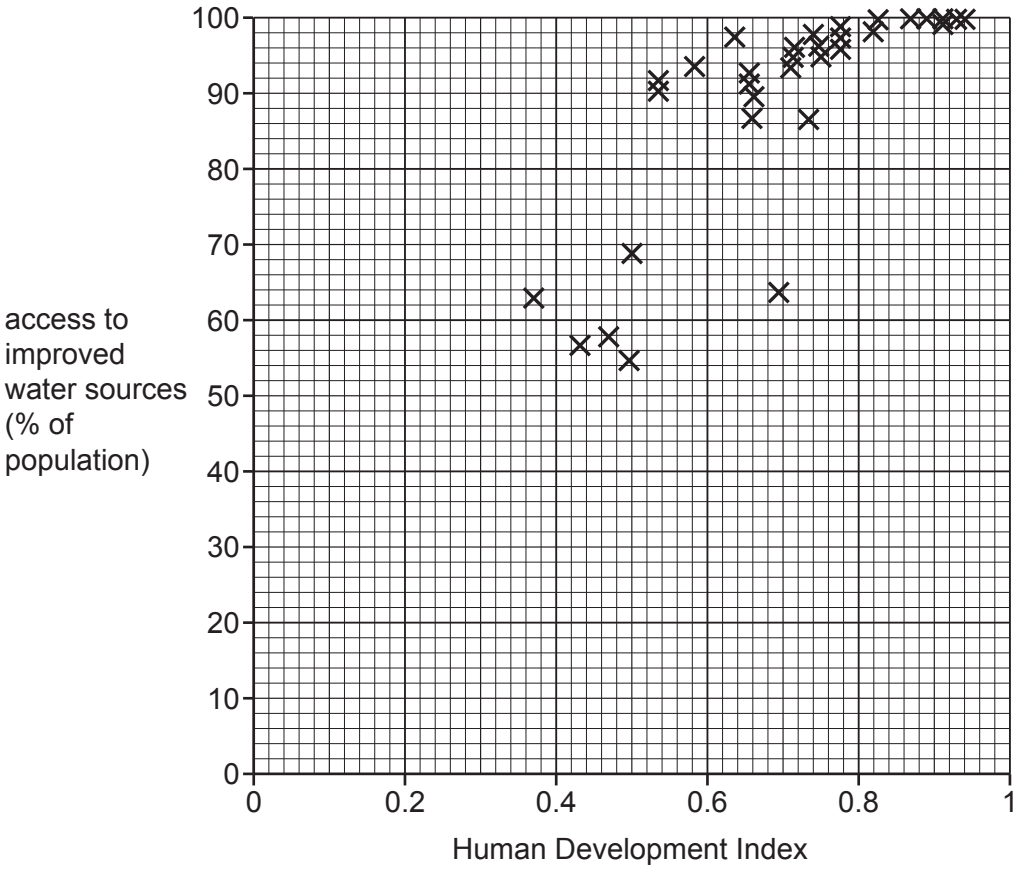


Fig. 5.2

(i) To what extent is there a relationship between the Human Development Index (HDI) and the percentage of the population with access to improved water sources?
You should use statistics to support your answer.

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..... [3]

(ii) Describe the methods which can be used to improve water supply in LEDCs.

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..... [5]

(c) Describe a named transnational corporation (TNC) you have studied and explain why it has impacts at a local scale.

Name of transnational corporation (TNC) .....

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TURN PAGE FOR QUESTION 6

6 **(a)** Study Fig. 6.1, which is taken from an online advert for holidays in Thailand (an LEDC in Asia).

> You will travel from the city of Bangkok to the resort of Krabi and back again.
>
> Thailand will thrill you with exciting experiences and marked contrasts. On this journey you start and end in the cultural capital of Bangkok, with its busy markets, historic temples and unique nightlife. From Bangkok, travel to see beaches and limestone rocks in Krabi to enjoy relaxation, adventure and an unspoilt coastline. Prepare for a wonderful mix of city and nature in beautiful Thailand.

Fig. 6.1

(i) Using information from Fig. 6.1 **only**, identify **one** natural attraction and **one** human attraction for tourists in Thailand.

natural attraction .....

human attraction ..... [1]

(ii) Suggest **two** reasons why numbers of international tourists are increasing in LEDCs such as Thailand.

1 .....

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2 .....

..... [2]

(iii) Explain why unspoilt, natural coastlines are attractive to many tourists.

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..... [3]

(iv) Explain **two** different ways in which the climate of an area may lead to the development of tourism.

1 .....

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2 .....

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..... [4]

(b) Study Figs. 6.2, 6.3 and 6.4 (Insert), which are photographs of Ao Nang, a tourist resort in Thailand.

(i) Using evidence from Figs. 6.2, 6.3 and 6.4, suggest **three** different ways that tourism may damage the natural environment in the local area.

1 .....

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2 .....

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3 .....

..... [3]

(ii) Suggest ways in which tourism in Ao Nang could be managed so that it is sustainable.

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..... [5]

(c) For a named example of an area you have studied where tourism is important, describe the problems it causes for **local people**.

Name of area studied ....

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Additional pages

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