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GEOGRAPHY

0460/13

Paper 1 Geographical Themes

October/November 2020

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 **32** pages. Blank pages are indicated.

Section A

Answer **one** question from this section.

- 1 (a) Study Fig. 1.1, which shows information about the country of origin of people living in Canada in 1990 and 2015.

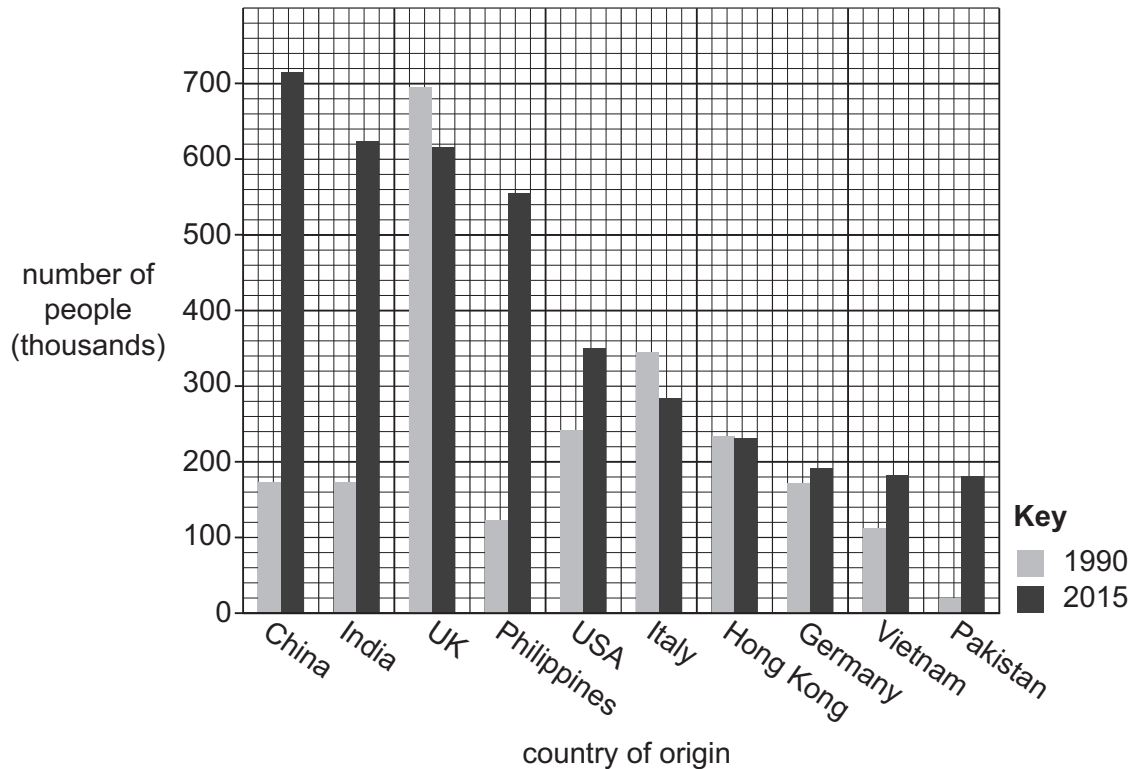


Fig. 1.1

- (i) How many people from the USA lived in Canada in 2015?

..... thousand

[1]

- (ii) Put the following countries of origin in rank order for 1990.

India

Pakistan

Philippines

UK

.....

Highest number



Lowest number

[2]

- (iii) Using information from Fig. 1.1, describe how the number of people from China and Italy living in Canada changed between 1990 and 2015.
You should use statistics in your answer.

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..... [3]

- (iv) Describe the problems which many migrants from China and Italy may face after moving to Canada.

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..... [4]

(b) Study Fig. 1.2 (Insert), which is a map showing information about global net migration.

(i) Describe the distribution of areas with **negative** net migration.

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..... [3]

(ii) Explain why many areas experience **negative** net migration.

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..... [5]

- (c) For a named country you have studied, describe the benefits and problems of **receiving** large numbers of immigrants.

Name of country

..... [7

[Total: 25]

2 (a) Study Fig. 2.1 (opposite), which shows three rural settlements in Wales (an MEDC).

(i) What type of settlement is shown in the map of Oldwalls?

.....

[1]

(ii) Describe **two** characteristics of dispersed settlements such as Penmaen.

1

.....

2

..... [2]

(iii) Using evidence from Fig. 2.1 **only**, give **three** reasons why Penrice is a nucleated settlement.

1

.....

2

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3

..... [3]

(iv) Explain why more people are living in the rural-urban fringe of large towns and cities in MEDCs.

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..... [4]



Fig. 2.1

(b) Study Fig. 2.2, which is a map of a rural area in north east England.

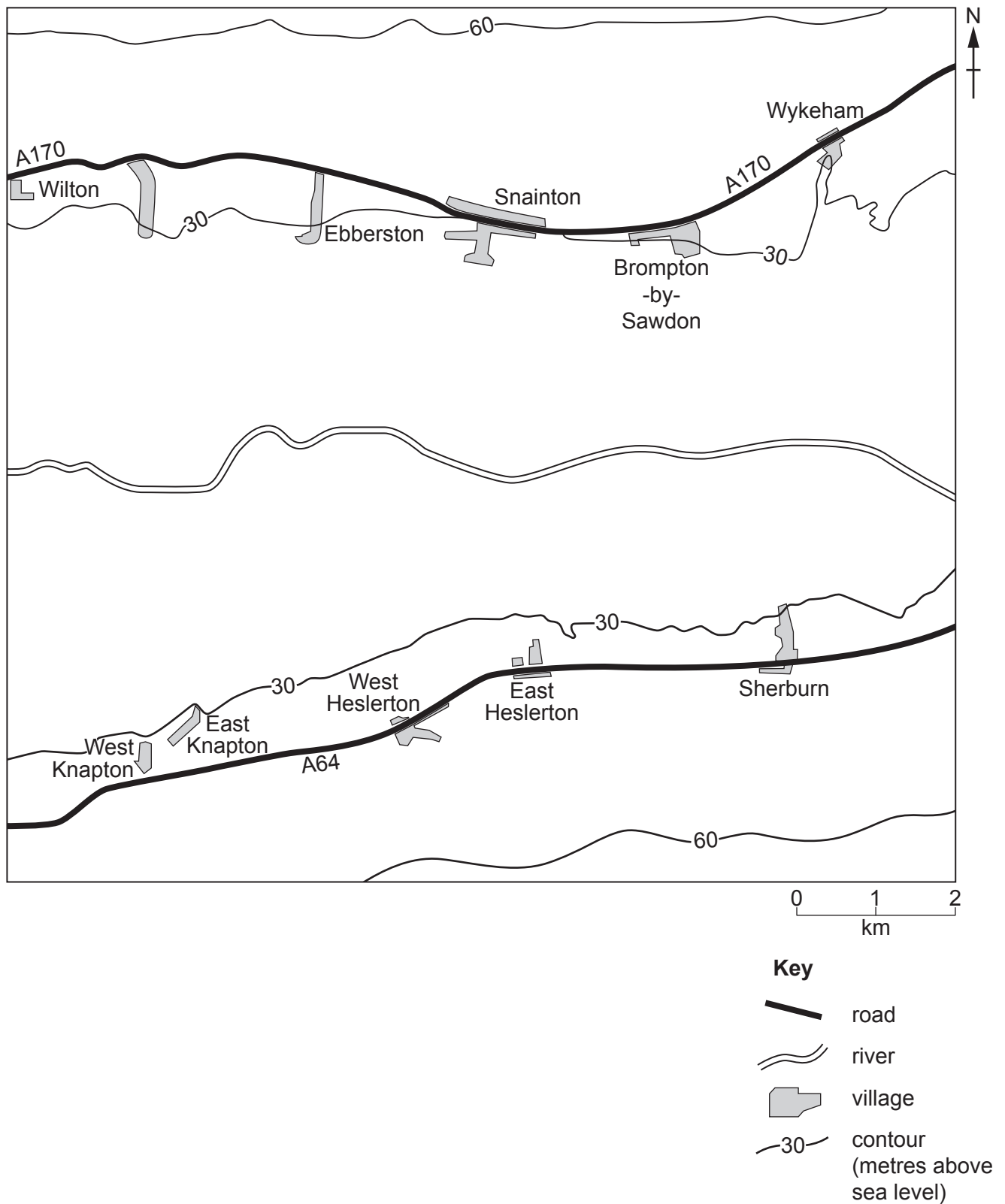


Fig. 2.2

(i) Describe **three** differences between the location of East Heslerton and Wykeham.

- 1
-
- 2
-
- 3
- [3]

(ii) Explain the distribution of settlements in the area shown in Fig. 2.2.

-
-
-
-
-
-
-
-
-
- [5]

(c) Describe and explain the service provision in a named settlement you have studied.

Name of settlement

[7]

[Total: 25]

TURN PAGE FOR QUESTION 3

Section B

Answer **one** question from this section.

- 3 (a) Study Fig. 3.1, which is a map showing the location of coral reefs around Martinique (an LEDC in the Caribbean).

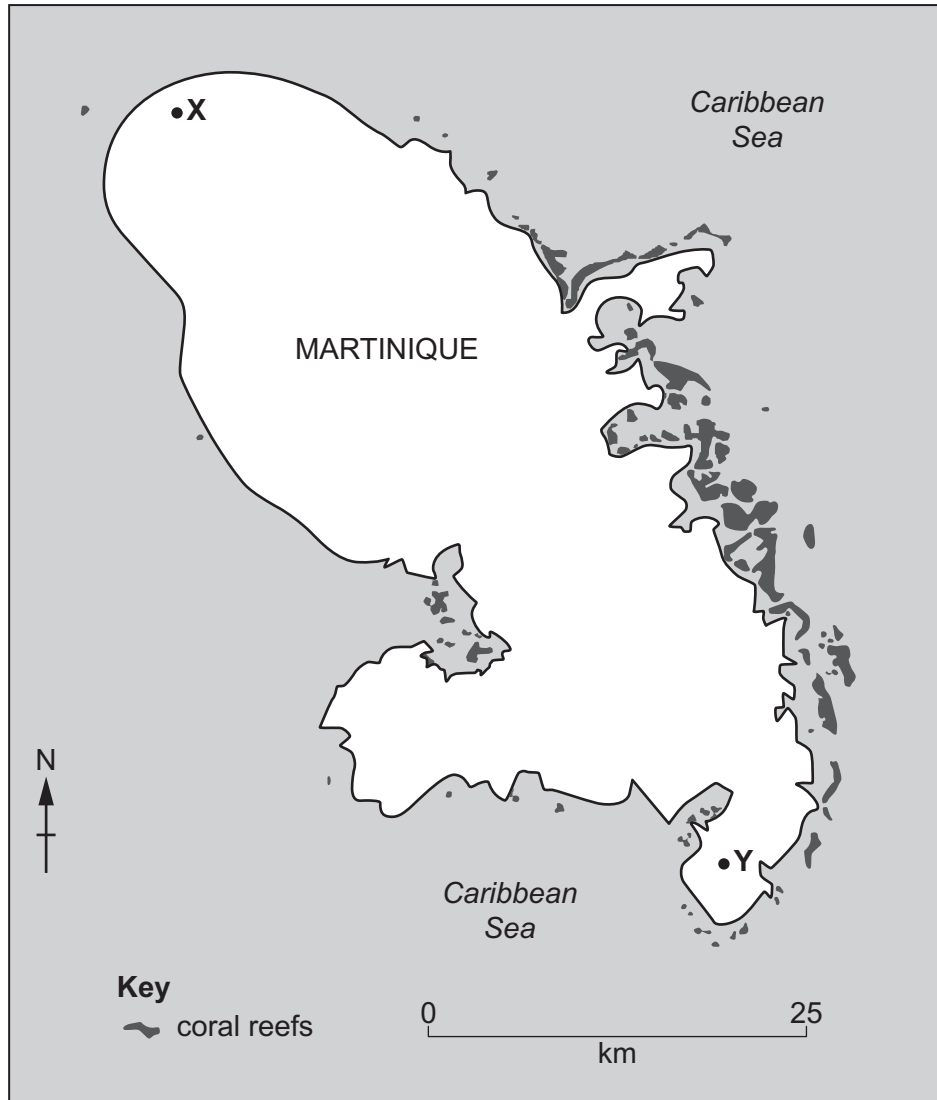


Fig. 3.1

- (i) What is the length of Martinique from X to Y?

..... km

[1]

- (ii) Describe the distribution of coral reefs shown in Fig. 3.1.

.....

.....

.....

..... [2]

(iii) Describe **three** conditions required for the growth of coral reefs.

- 1
-
- 2
-
- 3
- [3]

(b) Study Fig. 3.2 (Insert), which is a photograph showing an area of coastline in the north west of England.

(i) Describe and suggest reasons for the variation in beach material in the bay.

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- [3]

(ii) Using evidence from Fig. 3.2, explain how coastal erosion has been managed.

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- [4]

- (iii) Suggest why bays and headlands have formed along the coastline shown in Fig. 3.2.

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- (c) Describe the features of a sand spit and explain how it has been formed.
You may include a labelled diagram.

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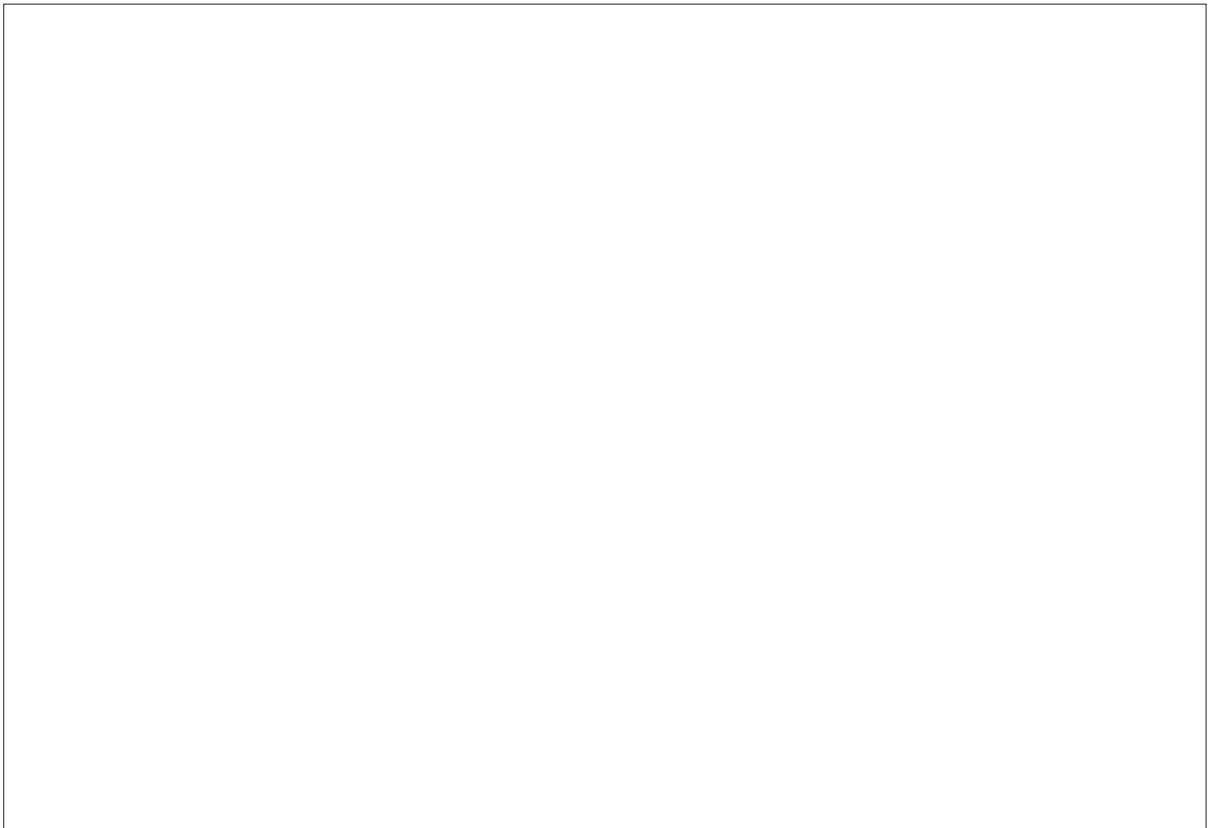
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[7]

[Total: 25]

[Turn over

- 4 (a) Study Fig. 4.1, which shows information about hot deserts and tropical rainforests.

	Latitude	Highest monthly average temperature	Lowest monthly average temperature	Annual rainfall	Atmospheric pressure
Hot deserts		35 °C	18 °C	Less than 250 mm	High
Tropical rainforests		30 °C	27 °C	Over 2000 mm	Low

Fig. 4.1

- (i) Using Fig. 4.1, calculate the annual average temperature range in tropical rainforests.

..... °C [1]

- (ii) **Complete the column** labelled 'Latitude' in Fig. 4.1. You should choose the letters of the correct labels from the list below.

- on and around the Arctic and Antarctic Circles (A)
- between the Tropic of Cancer and the Equator (B)
- on and around the Equator (C)
- only between the Tropics of Cancer and Capricorn (D)
- on and around the Tropics of Cancer and Capricorn (E)

[2]

- (iii) Explain how high atmospheric pressure influences the climate of hot deserts.

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..... [3]

- (iv) Explain why tropical rainforests have an average of over 2000 mm of rainfall per year.

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- (b) Study Fig. 4.2, which shows information about deforestation of tropical rainforests in South America and South East Asia between 1950 and 2010.

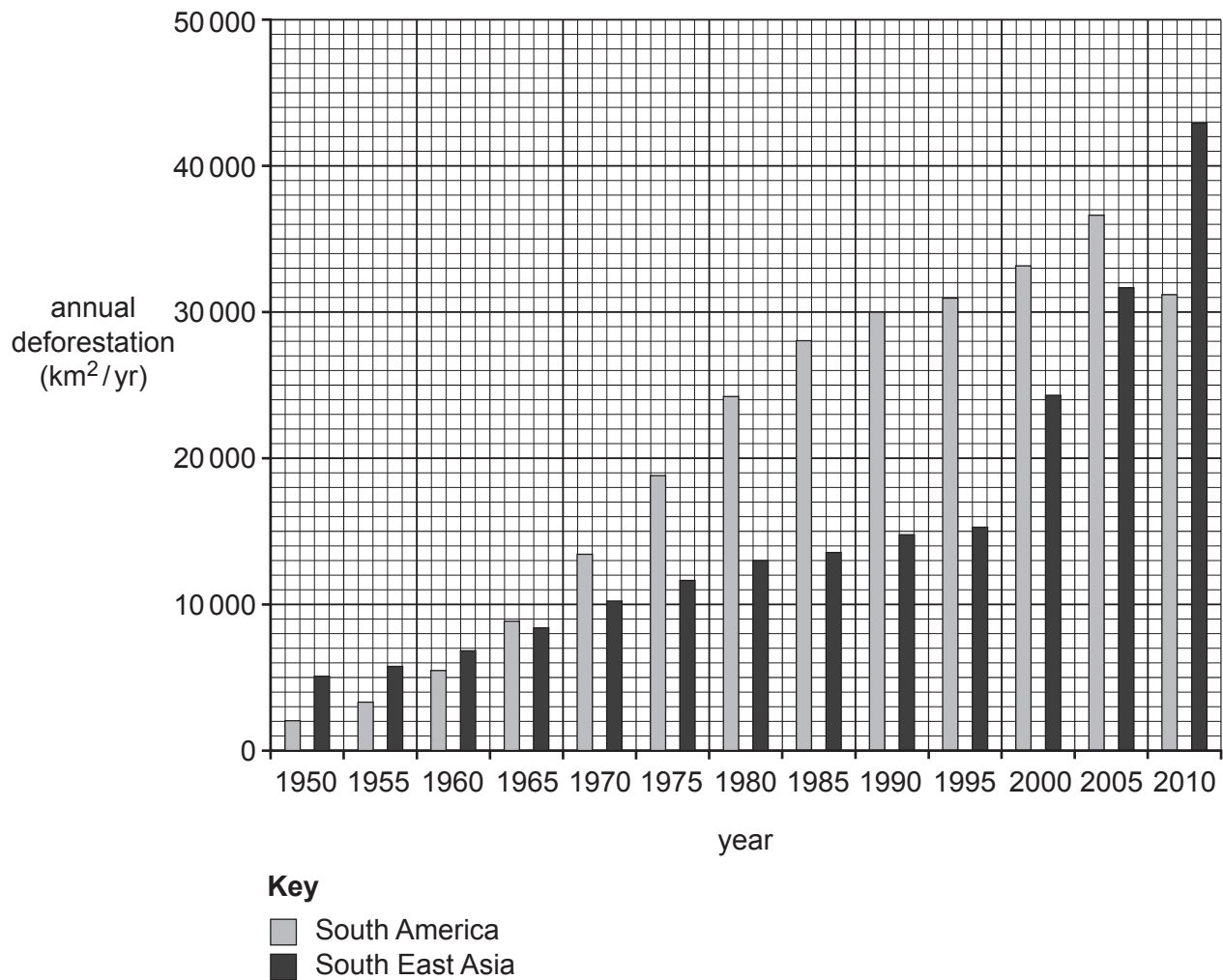


Fig. 4.2

- (i) Using Fig. 4.2, compare the change in annual deforestation in South America and South East Asia.

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..... [3]

- (ii) Explain why large amounts of deforestation have occurred in tropical rainforests.

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..... [5]

(c) With reference to named examples, describe the impacts of deforestation.

[7]

[Total: 25]

TURN PAGE FOR QUESTION 5

Section C

Answer **one** question from this section.

- 5 (a) Study Fig. 5.1 (Insert), a map showing tourist attractions in Mauritius, an LEDC in the Indian Ocean.

- (i) Name the river gorge in the south west of Mauritius.

.....

[1]

- (ii) Describe the location of the tourist resort of Grand Baie.

.....

 [2]

- (iii) Identify **three** attractions of the human landscape for tourists in Mauritius.

1

.....

2

.....

3

..... [3]

- (iv) Explain how the tourist industry may benefit the people who live on the island of Mauritius.

.....

 [4]

(b) Study Figs. 5.2 and 5.3 (Insert), which are photographs that were taken in Grand Baie, Mauritius.

(i) Using evidence from Figs. 5.2 and 5.3 **only**, describe the natural attractions of Grand Baie for tourists.

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..... [3]

(ii) Suggest how tourism in Grand Baie may have negative impacts on local people **and** the natural environment.

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..... [5]

- (c)** For a named area you have studied, explain how the tourist industry is being developed without destroying the natural environment.

Name of area

..... [7]

[Total: 25]

TURN PAGE FOR QUESTION 6

6 (a) Study Fig. 6.1, which shows indicators of development for six countries in Asia.

	Adult literacy (percentage)	Energy use per person (kg oil equivalent)	GNP per person (US\$)	Human Development Index (HDI)	Life expectancy (years)
India	72.1	565	6 572	131	68.3
Indonesia	93.9	866	11 612	113	69.1
Pakistan	56.4	487	5 249	147	66.4
Philippines	96.3	434	7 806	116	68.5
Sri Lanka	92.6	478	12 316	73	74.9
Thailand	96.7	1698	16 917	87	74.8

Fig. 6.1

(i) What is meant by GNP?

G.....N.....P..... [1]

(ii) Identify the country listed in Fig. 6.1:

– which has the largest percentage of people who can read and write

.....

– where the people on average live for the shortest time.

.....

[2]

(iii) Which indicators are used to work out the Human Development Index (HDI)?

Tick (✓) **three** answers in the table below.

	Tick (✓)
Access to clean water	
Energy use per person	
Gross National Income (GNI) per person	
Internet access	
Life expectancy	
Number of people per doctor	
Number of years of schooling	

[3]

- (iv) Which **one** of the countries shown in Fig. 6.1 do you consider to be the most developed? Justify your answer.

Country chosen

Justification

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..... [4]

- (b) Study Fig. 6.2, which is a scatter graph showing the relationship between infant mortality and access to clean water in selected countries.

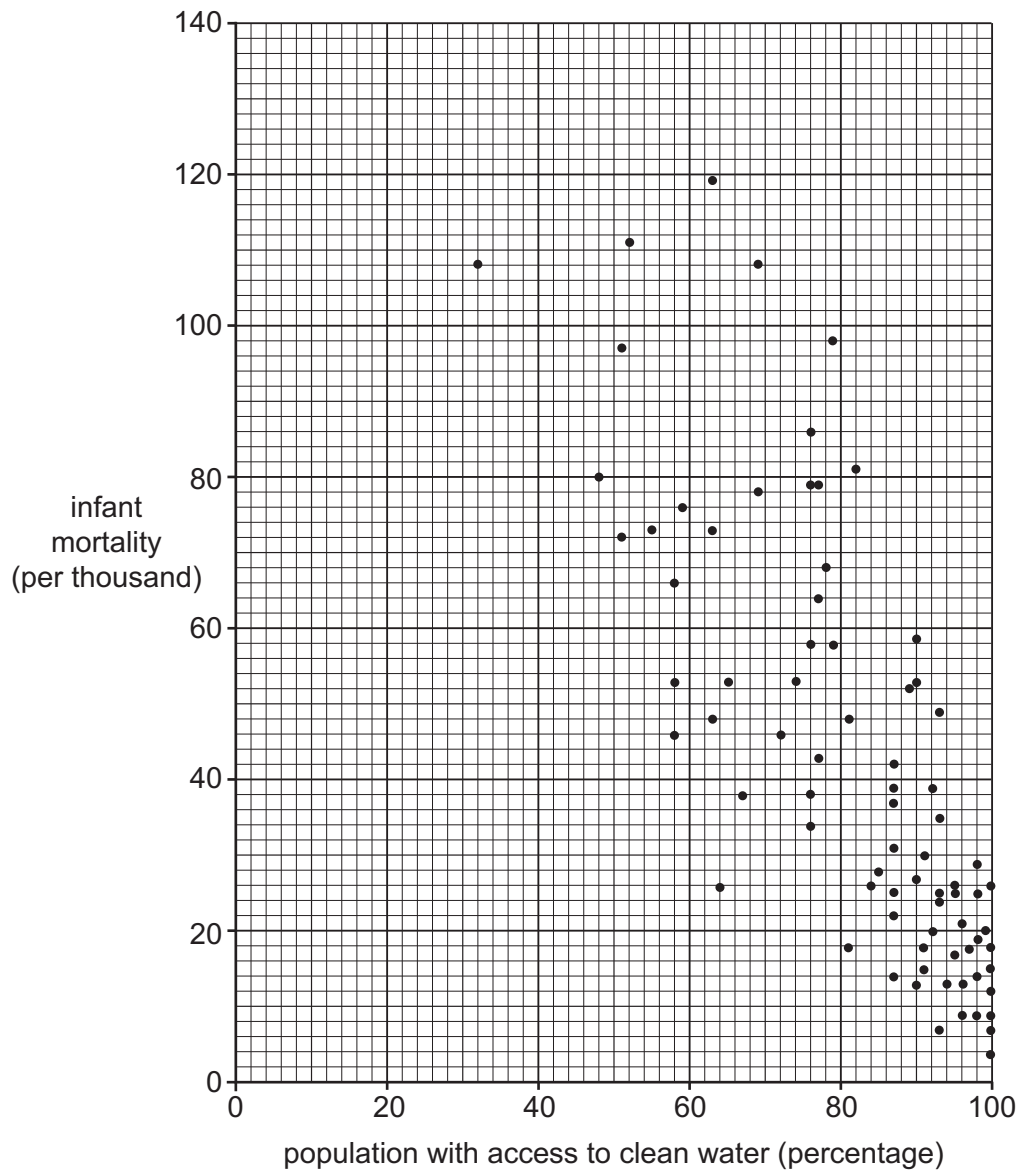


Fig. 6.2

- (i) Using Fig. 6.2, describe the relationship between infant mortality and access to clean water. Use statistics in your answer.

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..... [3]

- (ii) Explain why plentiful supplies of water, especially clean water, are important for the people and economy of a country.

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..... [5]

..... [7

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Additional Pages

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