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Answer EITHER Question 1 OR Question 2.
Write your answers in the spaces provided.
If you answer Question 1 put a cross in this box .

1. (a) Study Figure 1a. It gives information about the destruction of the Amazon Rainforest, a fragile environment.

Year	Area of Amazon Rainforest cut down (square kilometres)
1980	20000
1990	14000
2000	20000
2005	25000

Cattle ranching is a major cause of the destruction of the Amazon Rainforest. Cattle ranchers cut down the rainforest to grow grass for cattle. Many important species of plants have been destroyed. The soil is easily washed away by heavy rain because it is not protected by the trees.

Figure 1a

- (i) The rainforest is a fragile environment.

Define the term **fragile environment**.

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(1)

- (ii) How has cattle ranching damaged the rainforest's fragile environment?

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(iii) Another way that a fragile environment can be damaged is by resource exploitation.

How might resource exploitation affect a fragile environment?

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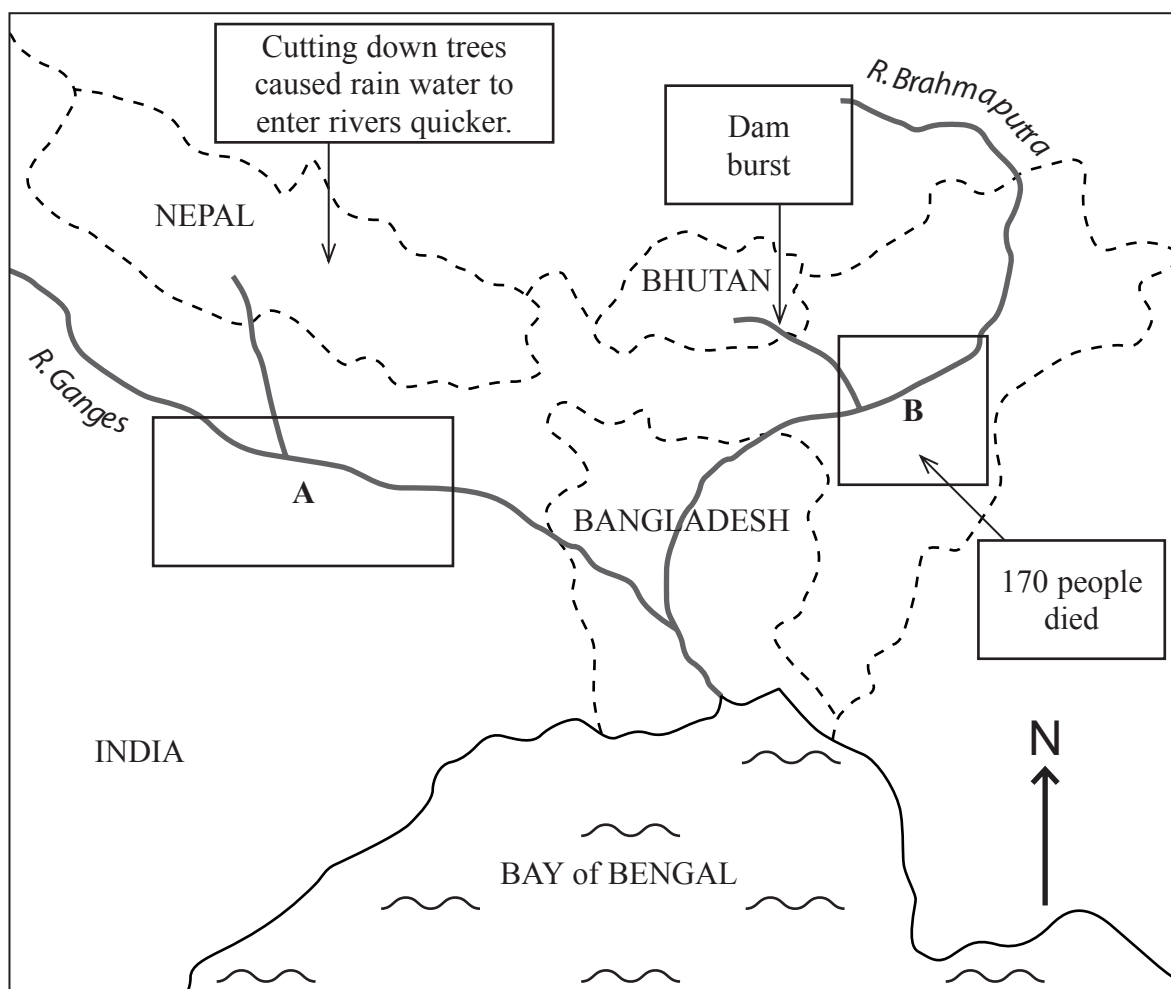
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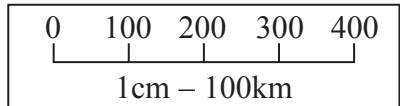


(b) Study Figure 1b. It gives information about the effects of flooding in India in July 2004, an **LEDC**.



Key facts about the effects of flooding in areas A and B:

- 500 people died
- 1950 km of road destroyed
- 2000 cattle died
- 479 schools damaged
- 675000 houses damaged
- 2 million people homeless
- 11000 hectares of fertile farming land lost



Key

Boundaries of countries -----

Sea ~~~~~

Areas affected by floods in July 2004

Figure 1b

(i) What was the size of area A affected by the flooding?

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square kilometres

(1)



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(ii) How many people died in area A?

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(1)

(iii) What environmental factor led to flooding in area A?

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(1)

(iv) Suggest **two** reasons why people still continue to live here.

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(2)

(v) What effect will the flood have on the economy of areas A and B?

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(vi) Explain the **physical** factors that cause floods like this to occur.

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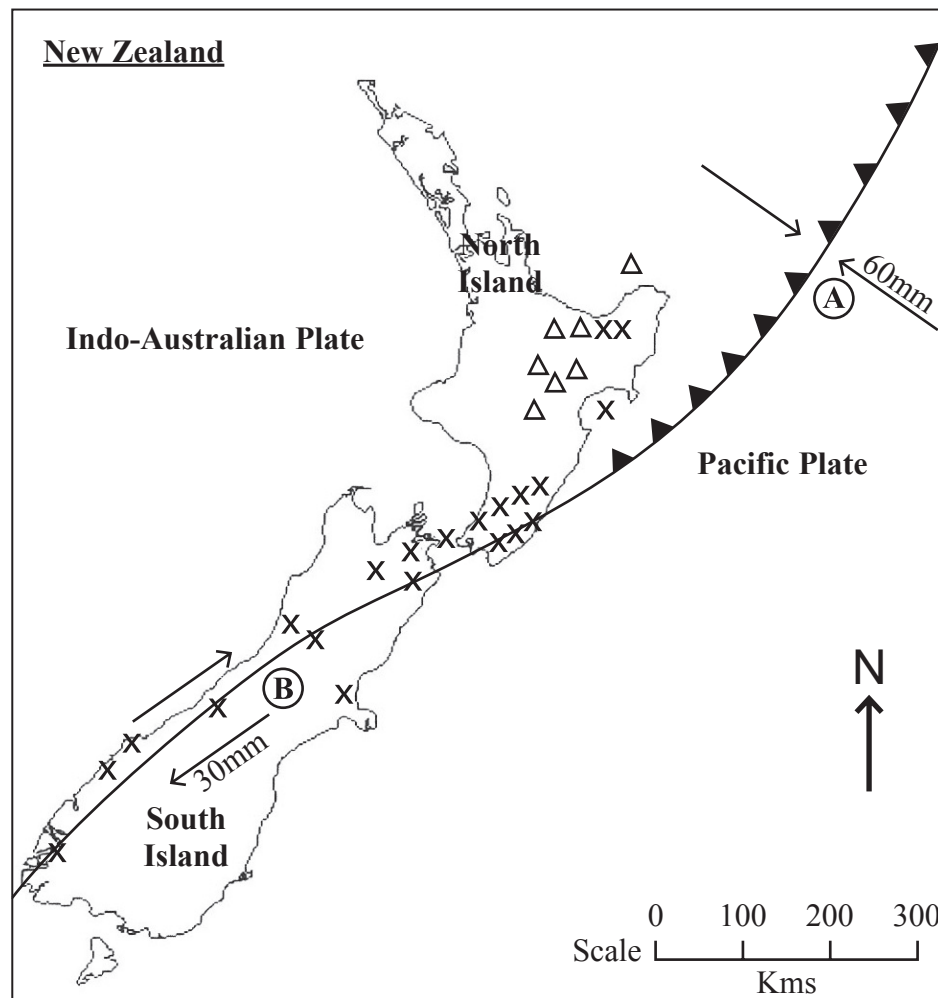


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Answer EITHER Question 1 OR Question 2.
Write your answers in the spaces provided.
If you answer Question 2 put a cross in this box .

2. (a) Study Figure 2a. It shows the distribution of plate boundaries, volcanoes and earthquakes in New Zealand.



Key	
△	major volcanoes
x	earthquakes 2005
→ 60mm	movement of plates and average annual movement
▲▲▲	plate boundary A
—	plate boundary B

Figure 2a

- (i) Name the type of plate boundary at A.

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(1)



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(ii) How much movement will there be along boundary A in 10 years?
Circle the **correct** answer.

60 millimetres **60 centimetres** **60 metres**

(1)

(iii) Describe the distribution of earthquakes and volcanoes shown in Figure 2a.

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(3)

(iv) Why are there no volcanoes on plate boundary B?

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(v) Explain **two** precautionary methods that have been used on buildings to limit the damage caused by earthquakes.

Method 1

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Method 2

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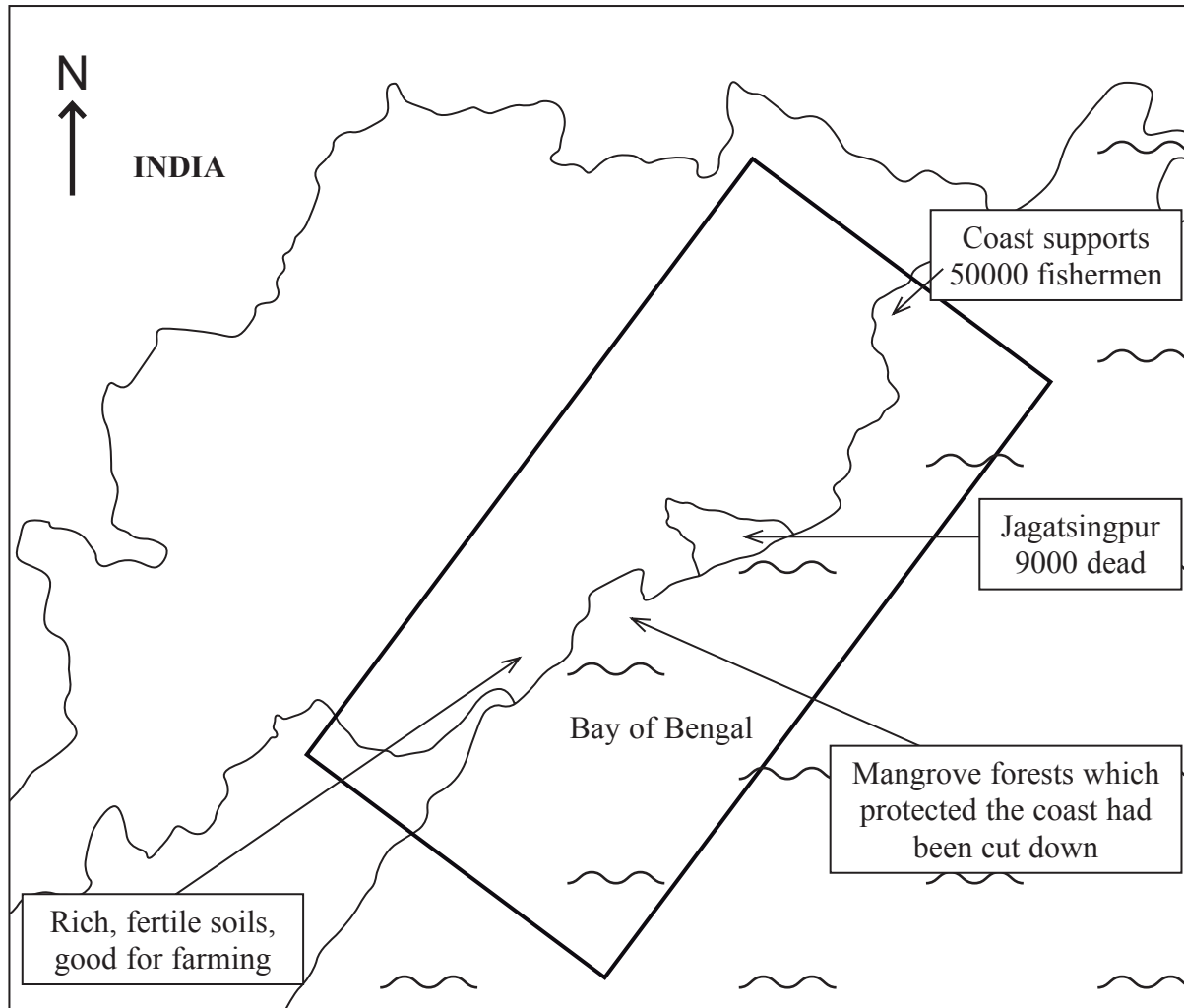


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(b) Study Figure 2b. It gives information about the effects of the Orissa Cyclone on India, an LEDC.



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Key facts about the area affected by the Orissa Cyclone:

500000 cattle killed
 10000 dead
 7.5 million homeless
 3 million homes damaged
 11000 schools damaged
 Fishermen lost 5000 boats
 Cyclone damage 70 billion rupees

Key

-  area affected by Orissa Cyclone
-  Sea

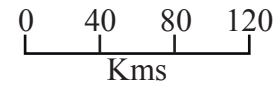


Figure 2b



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(i) What was the size of the area affected by the cyclone?
..... square kilometres. (1)

(ii) How many people died in the affected area outside Jagatsingpur?
..... (1)

(iii) What environmental factor led to damage on the coast?
..... (1)

(iv) Suggest **two** reasons why people still continue to live in the affected area?
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..... (2)

(v) What effect will the cyclone have on the economy of the area?
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(c) Tropical storms have an impact on people and the environment.

Choose a tropical storm that you have studied in an MEDC.

Chosen tropical storm

Explain the impact (effect) of the storm on the people.

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(d) Choose a volcanic eruption that you have studied.

Name of chosen volcanic eruption

Describe the short term (immediate) responses made by the people in the area and the aid given to the people
and
explain the long term recovery of the area affected by the volcanic eruption.

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(Total 30 marks)

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Answer EITHER Question 3 OR Question 4.
Write your answers in the spaces provided.
If you answer Question 3 put a cross in this box .

3. (a) Study Photographs A and B. They show tourists who live in the UK on holiday abroad.

There are many ways of classifying tourism

(i) Photograph A is an example of passive tourism.

Why?

..... (1)

(ii) State another example of passive tourism.

..... (1)

(iii) Classify the holiday shown in Photograph B.
Justify your answer.

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(iv) How does the growth in tourism in an area lead to an increase in employment in the tertiary sector?

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(v) Sustainable strategies are being used to reduce environmental damage to tourist areas as in Photograph B.

Describe these strategies.

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(b) Study Figure 3. It is a pictogram which shows the growth of world tourism from 1945 to 2005.

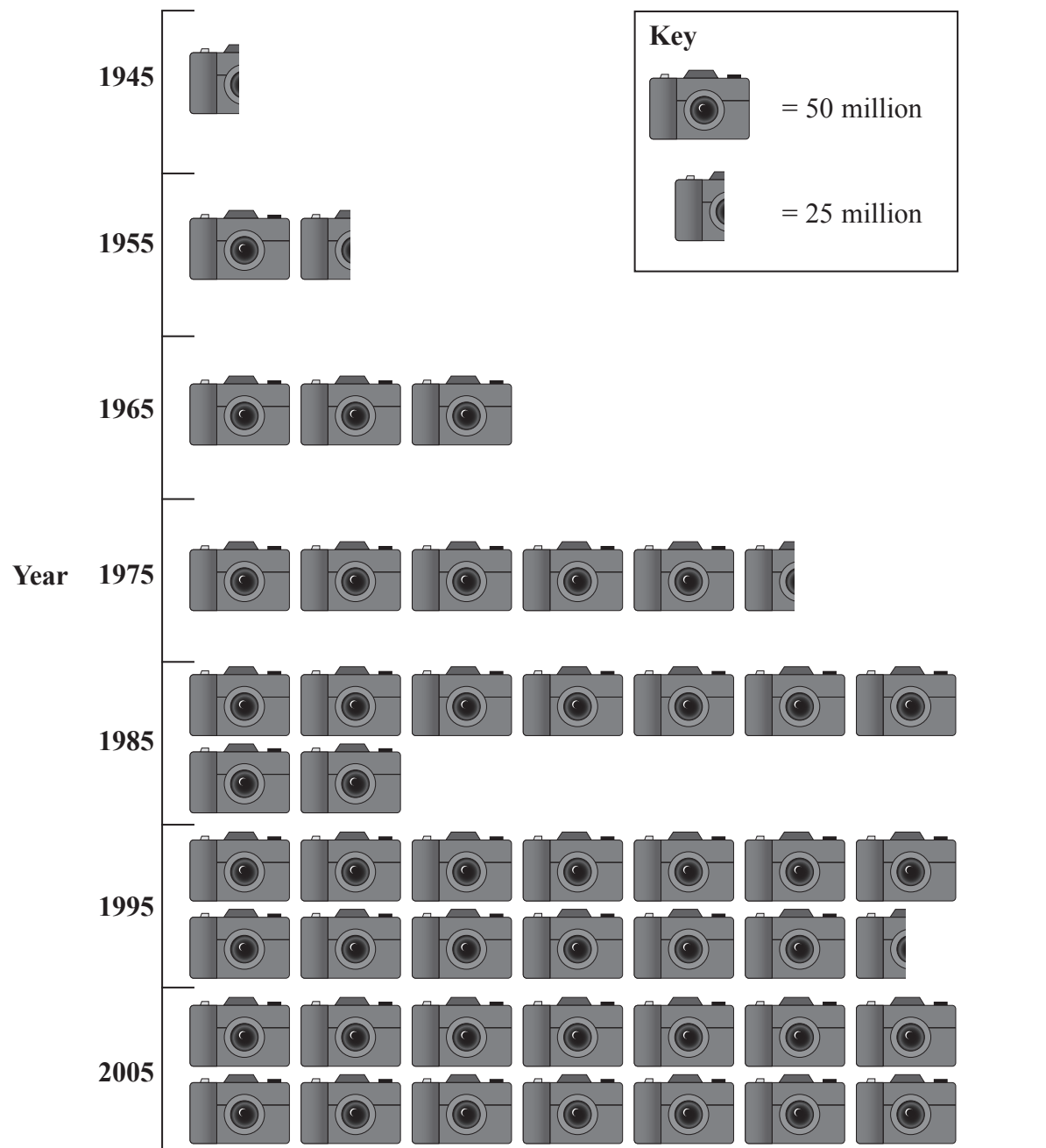


Figure 3

(i) How many tourists were there in 1965?

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(1)



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(ii) Which ten year period saw the greatest increase in tourism?

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(1)

(iii) Explain **two** reasons for the growth shown on Figure 3.

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(4)

(iv) In some years the number of international tourists drops.

Suggest why this might happen.

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(1)



(d) Coastal areas have been developed as tourist areas.

Choose a coastal area that you have studied.

Chosen coastal area

Describe the positive and negative impacts (effects) of tourism on the environment in
your chosen area

and
explain the effects of tourism in this area on different groups of people.

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Answer EITHER Question 3 OR Question 4.
Write your answers in the spaces provided.
If you answer Question 4 put a cross in this box .

4. (a) Study Photographs C and D. They show two contrasting zones of an urban area in an MEDC.

(i) One urban zone is shown in Photograph C.

Name the urban zone.

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(1)

(ii) State **two** features common to this urban zone.

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(iii) Sustainable strategies are being used to improve the quality of life in this urban zone.

Describe these strategies.

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(3)



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(iv) Another urban zone is shown in Photograph D.

Name the urban zone.

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(1)

(v) Justify your answer to part (iv).

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(3)



(b) Study Figure 4. It is a pictogram which shows the percentage of the world's population living in urban areas from 1945 to 2005.

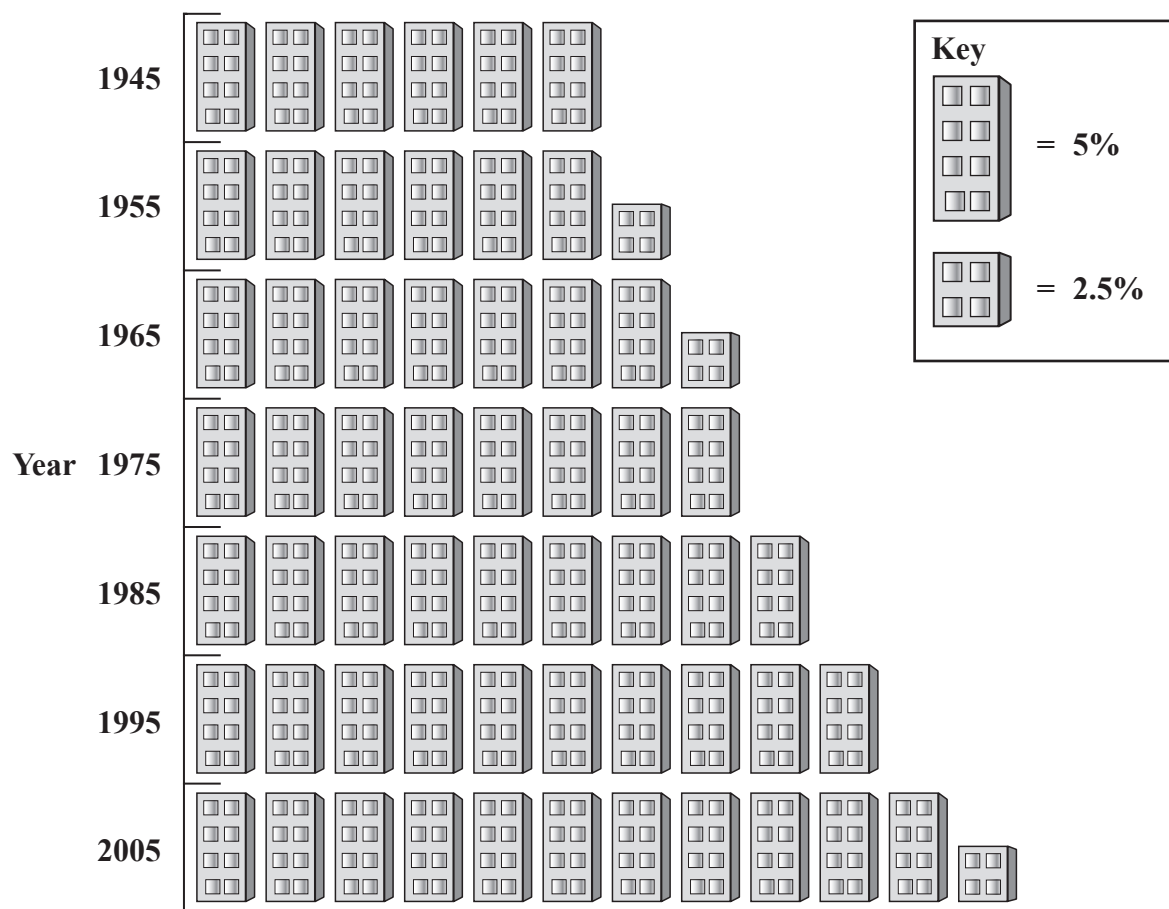


Figure 4

- (i) What percentage of the world's population was living in urban areas in 1945?
- (1)
- (ii) Which ten year period saw the greatest increase in population living in urban areas?
- (1)



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(iii) Explain **two** reasons for the increase shown on Figure 4.

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(4)

(iv) What is the term given for the increasing proportion of people living in urban areas?

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(1)



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(d) Urban areas in **LEDCs** are undergoing rapid growth.

Choose an urban area in an **LEDC** that you have studied.

Chosen urban area

Describe the reasons for and the results of this rapid growth
and
explain how growth is being managed in your chosen urban area.

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