



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
General Certificate of Education Ordinary Level

CANDIDATE
NAME

CENTRE
NUMBER

--	--	--	--	--

CANDIDATE
NUMBER

--	--	--	--



GEOGRAPHY

2217/12

Paper 1

October/November 2011

1 hour 45 minutes

Candidates answer on the Question Paper.

Additional Materials: Ruler

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 IN 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, **one** from each section.

The Insert contains Photograph A for Question 2, Photographs B, C and D for Question 3 and Photograph E for Question 4.

Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

The Insert is **not** required by the Examiner.

The number of marks is given in brackets [] at the end of each question or part question.

This document consists of **23** printed pages, **1** blank page and **1** Insert.



Section A

Answer **one** question from this section.

QUESTION 1

(a) Study Fig. 1, which shows the Demographic Transition Model.

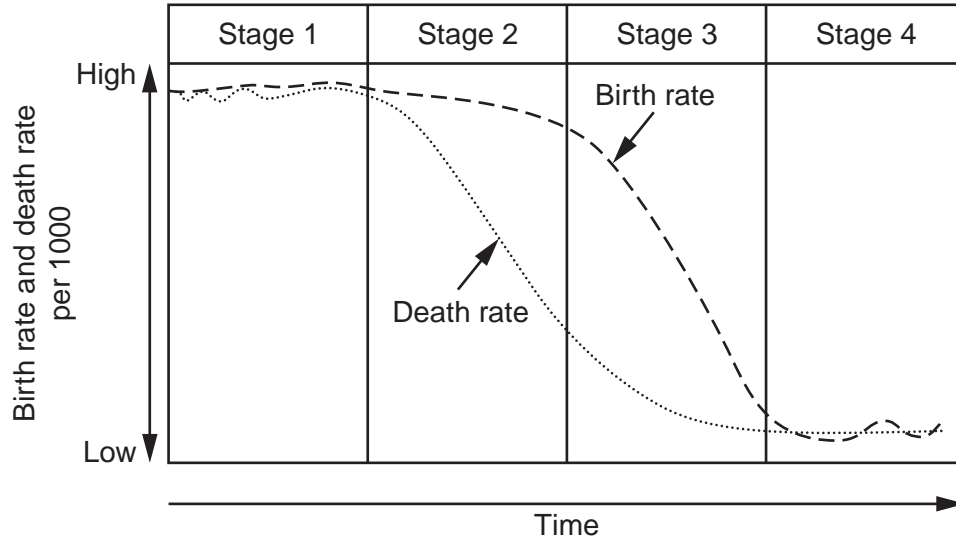


Fig. 1

(i) In which stage of the Demographic Transition Model are both birth rates and death rates high?

.....[1]

(ii) Use evidence from Fig. 1 **only** to explain why the rate of natural increase is high by the end of Stage 2 of the model.

.....
.....
.....[2]

(iii) Give **three** reasons why birth rates have fallen by the time a country reaches Stage 4 of the model.

1
.....
2
.....
3
.....[3]

- (iv) Name a country and identify the stage of the Demographic Transition Model which it has reached.

Use birth and death rate statistics to justify your answer.

Name of country Stage

.....

.....

.....

.....

.....

.....

.....

.....[4]

- (b) Study Fig. 2, which shows changes in the life expectancy in Uganda and Zimbabwe (LEDCs in Africa) between 1955 and 2005.

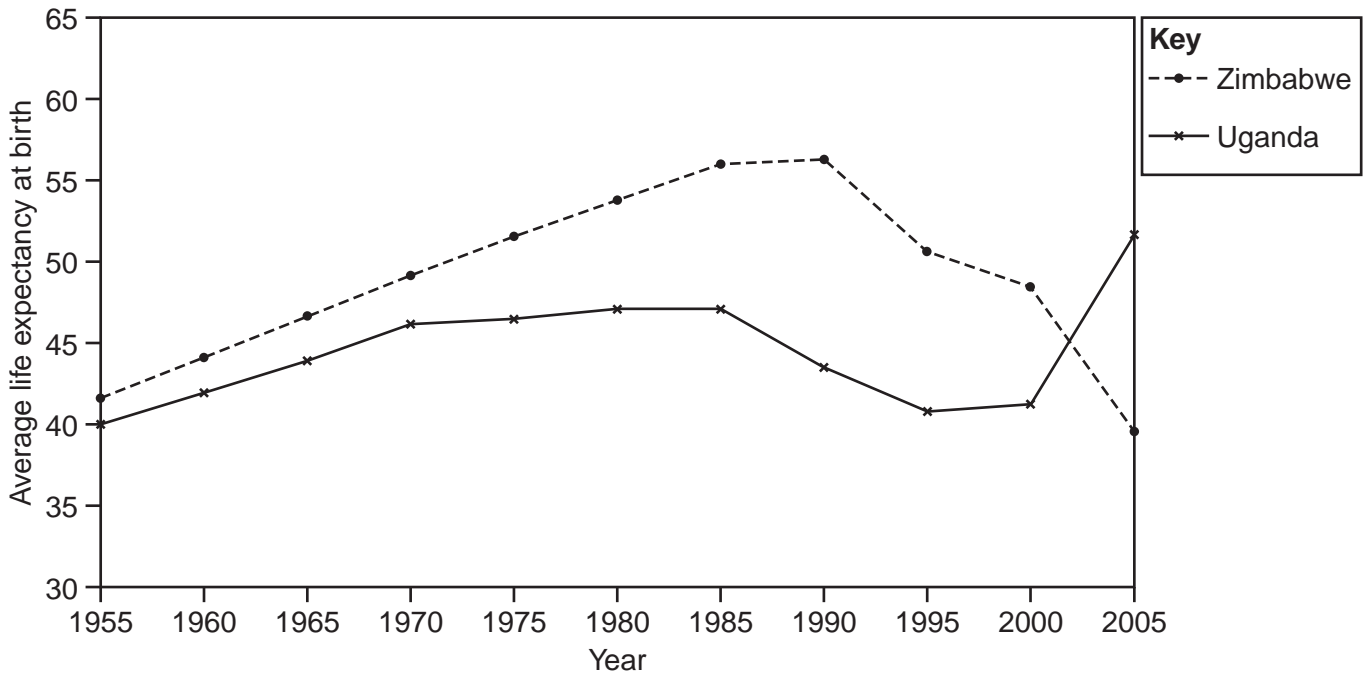


Fig. 2

- (i) Compare the life expectancy of Uganda and Zimbabwe between 1955 and 2005.

.....

.....

.....

.....

.....

.....

.....

.....[3]

QUESTION 2

(a) Study Fig. 3, which is a model of an LEDC city.

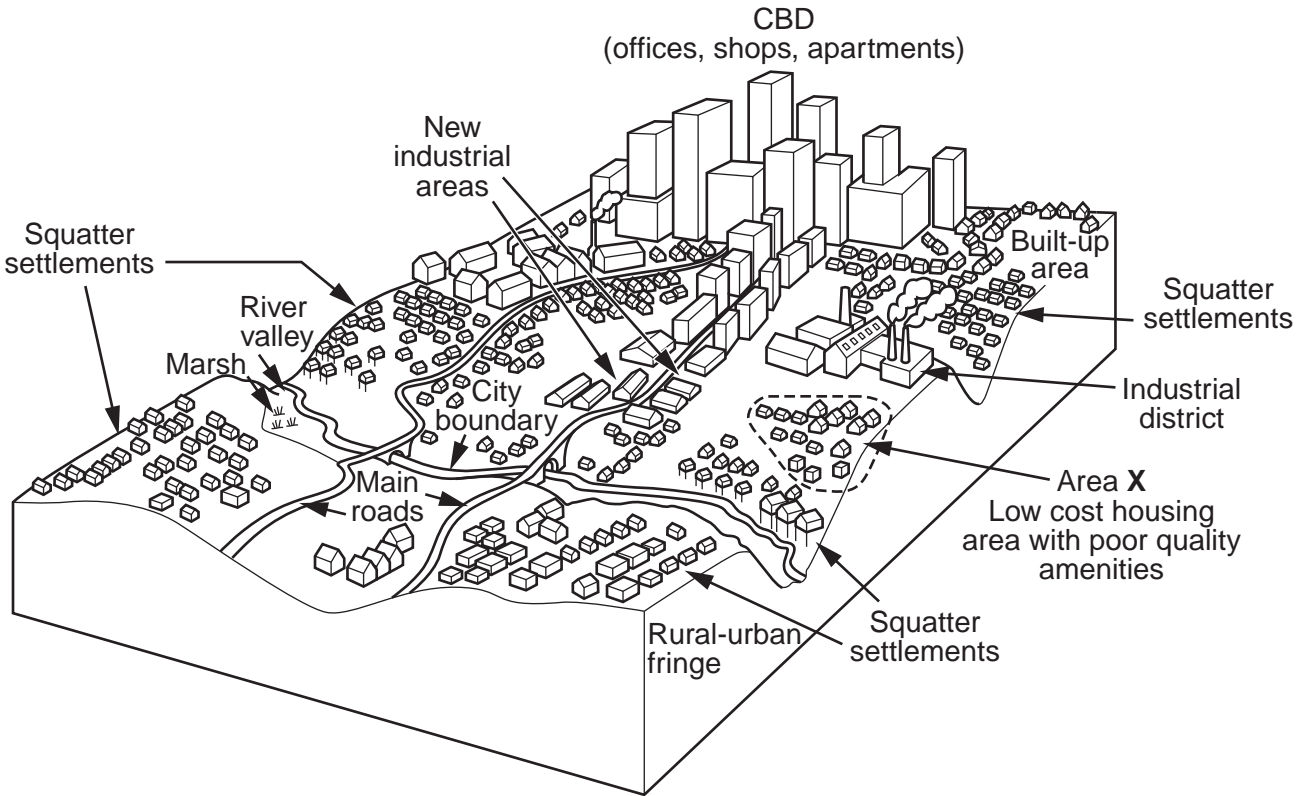


Fig. 3

(i) Identify from Fig. 3 **one** example of land use in the CBD.

.....[1]

(ii) Suggest **two** examples of amenities in the housing in the area marked **X** in Fig. 3 which are likely to be of poor quality.

1

2[2]

(iii) Describe **three** different types of location where squatter settlements have developed in cities in LEDCs.

1

.....

2

.....

3

.....[3]

(iv) Explain why large numbers of people live in squatter settlements in cities in LEDCs.

.....
.....
.....
.....
.....
.....
.....
.....
.....[4]

(b) Study Photograph A (Insert), which shows part of an urban area.

(i) Suggest **three** likely problems of living in the urban area shown in Photograph A.

1
.....
2
.....
3
.....[3]

(ii) Describe the methods which can be used by city planners to solve **one** of the problems which you have suggested in (b)(i).

Problem chosen

.....
.....
.....
.....
.....
.....
.....
.....
.....[5]

Section B

Answer **one** question from this section.

QUESTION 3

(a) Study Photographs B, C and D (Insert) which show a river at different locations along its course.

(i) Which Photograph is taken closest to the source of the river?[1]

(ii) Briefly describe the difference between:

A the gradient of the river in Photographs B and C,

.....

B the depth of the river in Photographs B and D.

.....[2]

(iii) In which Photograph, B, C or D, will most deposition be occurring? Give reasons for your answer.

Photograph

.....

.....

.....

.....[3]

(iv) Explain how rivers transport their load by each of the following processes:

traction,

.....

saltation,

.....

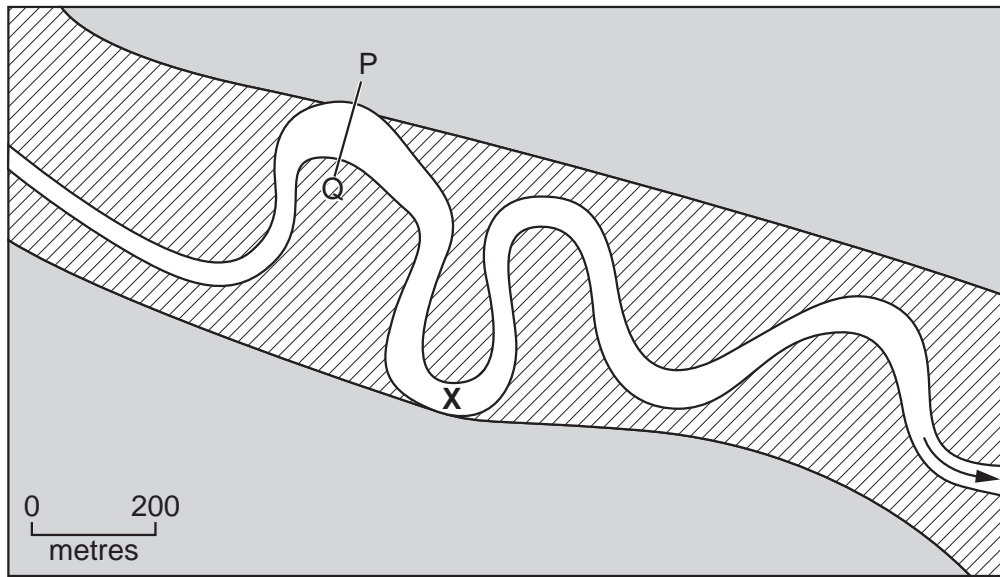
suspension,

.....

solution.

.....[4]

(b) Study Fig. 4, which shows part of a river and its valley.



Key

	River
	Flood plain
	Higher land
	Direction of flow

Fig. 4

- (i) Draw and label a cross section along the line P–Q, shown on Fig. 4, to show:
- the differences in the depth of the channel,
 - a slip off slope,
 - a river cliff.

(ii) Explain how an oxbow lake may form at **X** on Fig. 4.

.....[5]

(c) For a named river which you have studied, describe the advantages and difficulties of living on its flood plain.

Name of river

.....[7]

[Total: 25 marks]

END OF QUESTION 3

QUESTION 4

- (a) Study Fig. 5, which shows information about the main types of weathering which take place in areas with different climates.

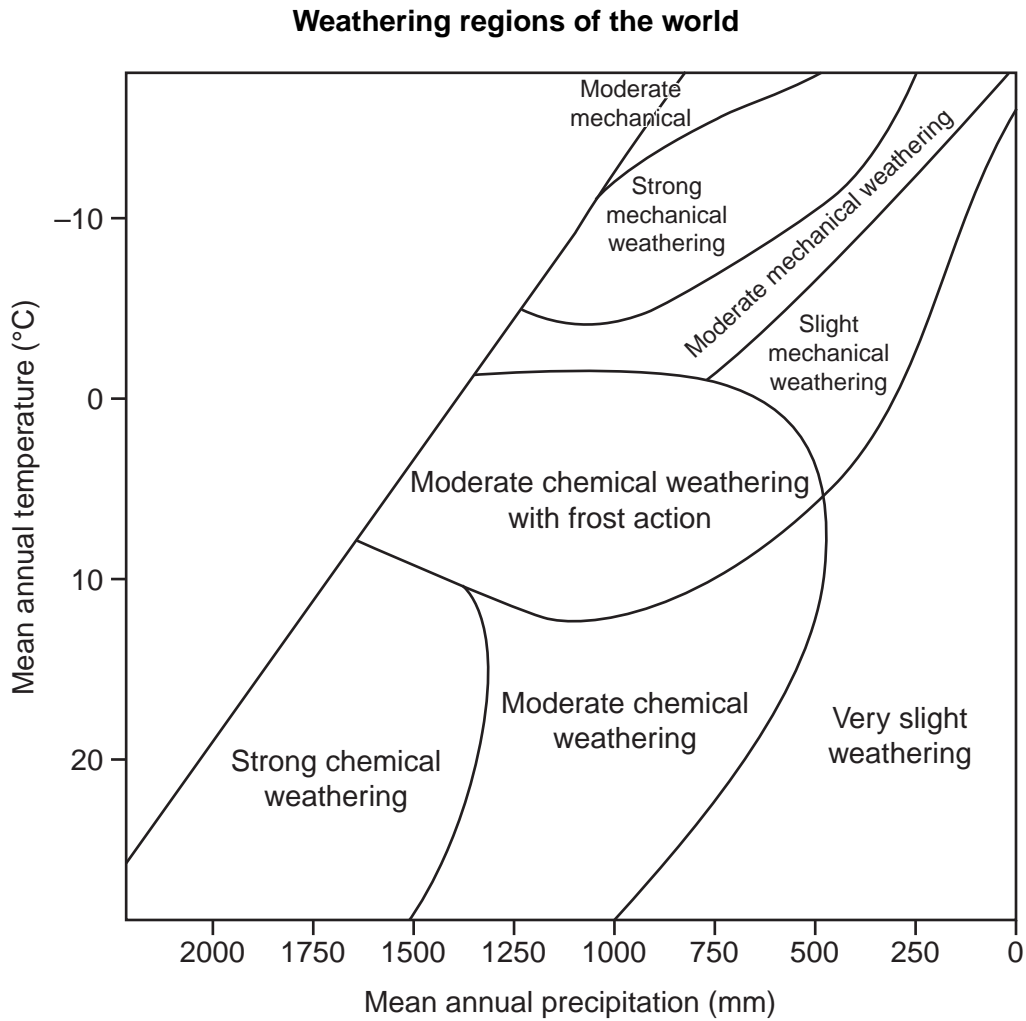


Fig. 5

- (i) Identify the type of weathering most likely to occur in a climate with a mean annual temperature of 20°C and mean annual precipitation of 1000 mm.

.....[1]

- (ii) State a mean annual temperature and precipitation amount in an area where ‘moderate chemical weathering with frost action’ is likely to take place.

.....[2]

(iii) Exfoliation is a type of mechanical weathering which occurs in an area with a large daily temperature range.

Explain why a large daily temperature range is required for exfoliation to occur.

.....
.....
.....
.....
.....[3]

(iv) Explain why large amounts of weathering occur in warm, wet tropical regions.

.....
.....
.....
.....
.....[4]

(b) Study Photograph E (Insert), which shows a mountain area in a temperate climate where weathering is taking place.

(i) Describe the main features of the landscape shown in Photograph E.

.....
.....
.....
.....
.....[3]

(ii) Explain how **mechanical** weathering is operating in the area shown in Photograph E. You may use a labelled diagram in your answer.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

[5]

- (c) In many parts of the world weather and climate may cause natural disasters. These include drought and tropical storms.

For **either** a drought **or** a tropical storm which you have studied, describe the impacts on a named area which you have studied.

Name of natural disaster Area studied

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

[7]
[Total: 25 marks]

END OF QUESTION 4

Section C

Answer **one** question from this section.

QUESTION 5

(a) Study Fig. 6, which shows information about international tourism.

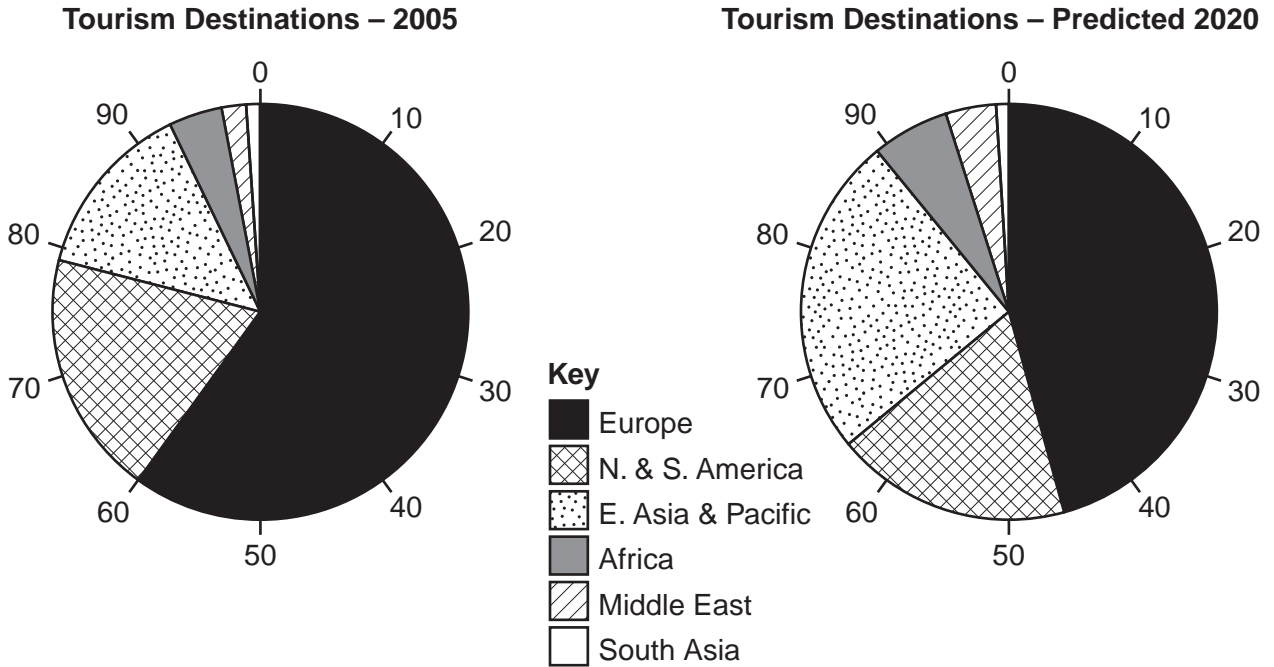


Fig. 6

(i) By how much is the percentage of international tourists to Europe expected to decrease between 2005 and 2020?

..... % [1]

(ii) Suggest **two** reasons why Europe has the largest percentage share of international tourists.

1

.....

2

..... [2]

(iii) Give **three** examples of different types of **natural** attraction for international tourists.

1

.....

2

.....

3

..... [3]

(iv) Explain how the built environment can attract international tourists.

.....

.....

.....

.....

.....

.....

.....

(b) Study Fig. 7, information about a landlocked country in Africa where the government would like to develop a tourist industry.

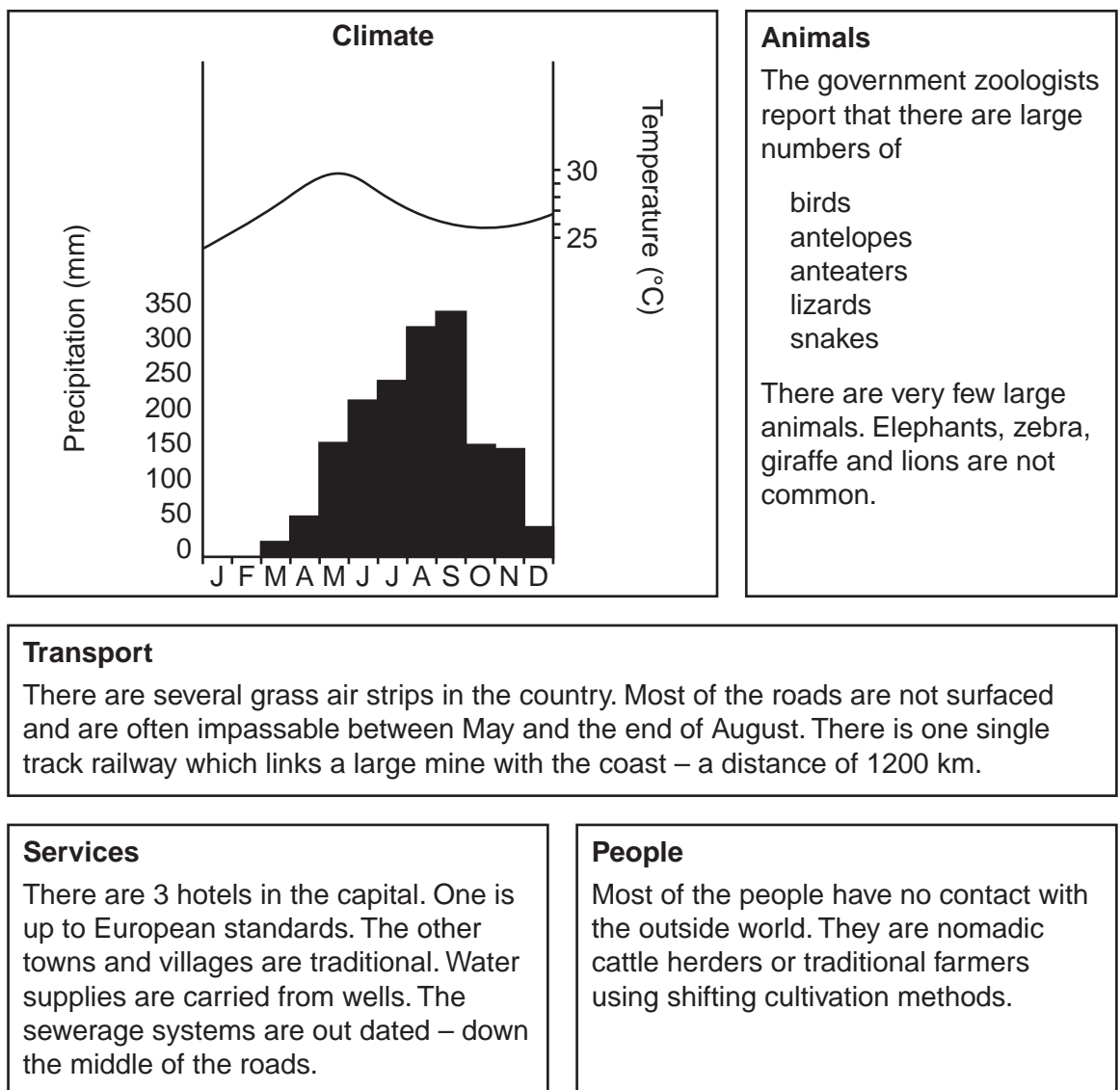


Fig. 7

- (i) Suggest **three** difficulties of developing a tourist industry in the country described in Fig. 7.

1

.....

2

.....

3

.....[3]

- (ii) Explain the benefits and disadvantages to the people living in the country if a tourist industry were developed there.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....[5]

QUESTION 6

(a) Study Fig. 8, which shows information about pollution of the environment.

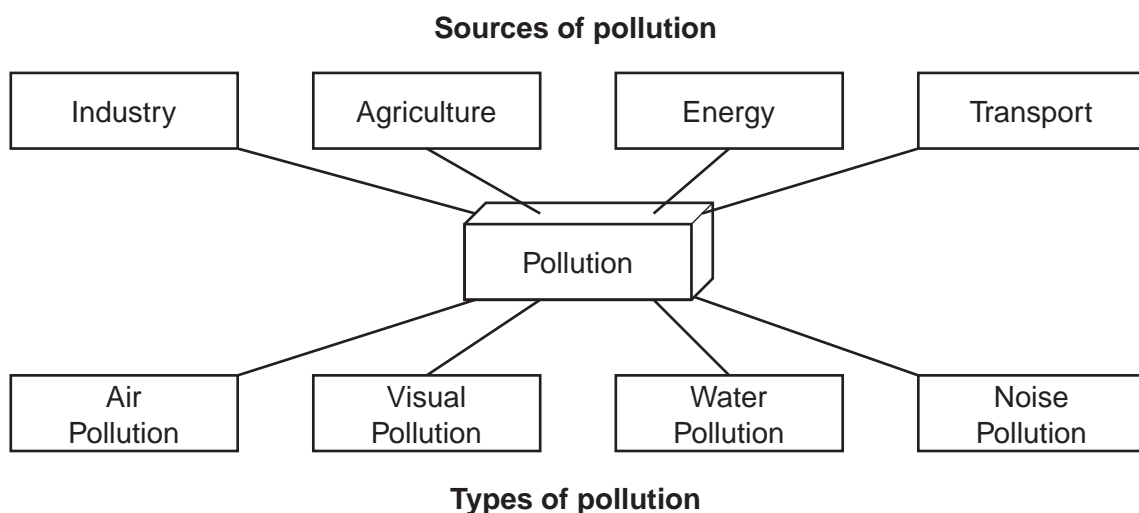


Fig. 8

(i) What is meant by a *source* of pollution?

.....
[1]

(ii) Describe **one** way in which the air can be polluted by each of:

A agriculture,

.....

B transport.

.....[2]

(iii) Describe **three** different problems which pollution might cause for people who live in a large urban area.

1

2

3
[3]

(b) Study Fig. 9, a newspaper article about global warming.

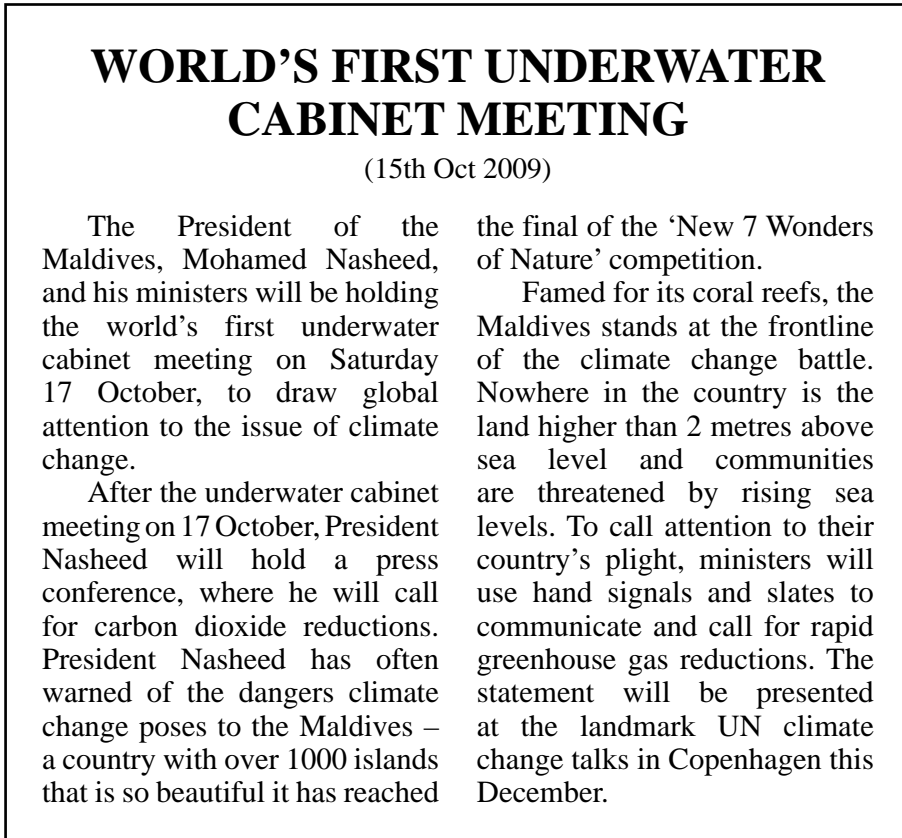


Fig. 9

(i) Explain why the President of the Maldives is concerned about global warming.

.....

.....

.....

.....

.....[3]

(ii) Explain why reducing carbon dioxide emissions may be necessary to reduce global warming.

.....

.....

.....

.....

.....

.....

.....

.....[4]

- (c) For a named country or area which you have studied, describe the causes and effects of water pollution.

Name of country or area

Dotted lines for writing the answer.

[7]

[Total: 25 marks]

END OF QUESTION 6

Additional Page

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

A series of horizontal dotted lines for writing the answer(s).

Copyright Acknowledgements:

Question 6 Fig. 9 © <http://www.miadhu.com/2009/10/local-news/world%E2%80%99s-first-underwater-cabinet-meeting-on-saturday>; 28 July 2010.
Photographs A–E Steve Sibley © UCLES.

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

University of Cambridge International Examinations is part of the Cambridge Assessment Group. Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.