

FOR OFFICIAL USE

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Total Marks

X208/101

NATIONAL
QUALIFICATIONS
2009

WEDNESDAY, 27 MAY
9.00 AM – 10.15 AM

GEOGRAPHY
INTERMEDIATE 1

Fill in these boxes and read what is printed below.

Full name of centre

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Town

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Forename(s)

--

Surname

--

Date of birth

Day Month Year

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Scottish candidate number

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Number of seat

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Answer **four** questions: Section A Question 1 **and** Question 2

AND

Section B any **two** questions from Questions 3 to 7

- 1 Read the whole of each question carefully before you answer it.
- 2 Write in the spaces provided.
- 3 Where boxes like this are provided, put a tick (✓) in the box beside the answer you think is correct.
- 4 Extra paper may be obtained from the invigilator, if required.
- 5 Before leaving the examination room you must give this book to the invigilator. If you do not, you may lose all the marks for this paper.



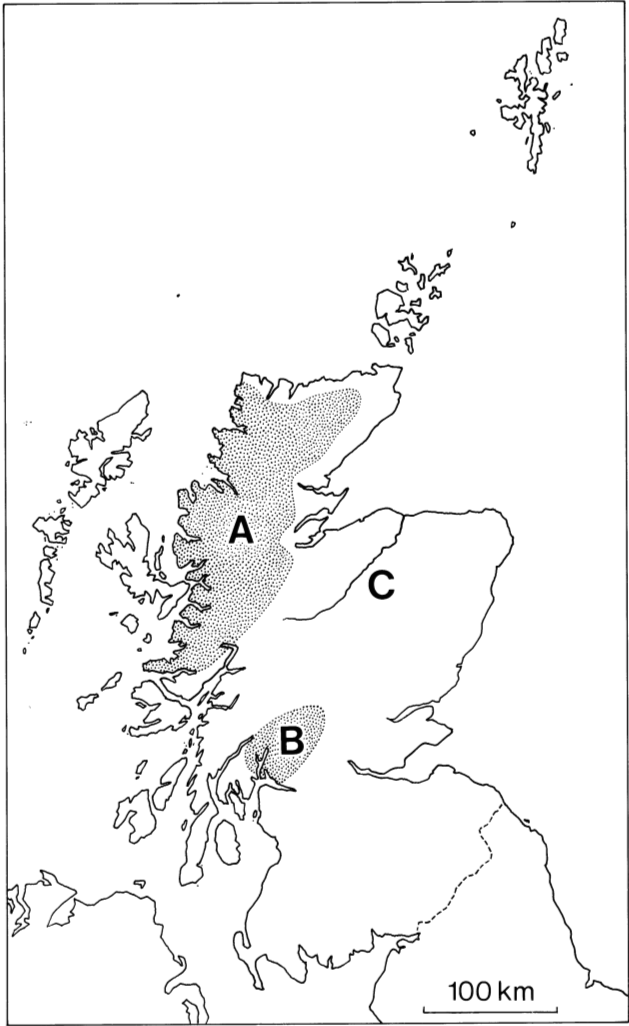
SECTION A

Marks

IN THIS SECTION YOU MUST ANSWER QUESTION 1 AND QUESTION 2

Question 1: Physical Environments

Reference Diagram Q1A: Selected Landscapes in Scotland



(a) Study Reference Diagram Q1A.

In the table below, name the two upland areas and the river shown on Reference Diagram Q1A above.

Choose from: Loch Lomond and the Trossachs, River Clyde,
North West Highlands, River Spey.

Upland area A	
Upland area B	
River C	

1. (continued)

(b) Study the Ordnance Survey Map Extract (No 1744/OL2).

Match the following grid references with the limestone features in the table below. *Marks*

8764 (Grizedales) 9163 (Gordale Beck) 9064 (Broad Scars)

<i>Limestone Feature</i>	<i>Grid Reference</i>
Limestone gorge	
Limestone pavement	
Pot holes	

2

Reference Diagram Q1B: Janet's Foss Waterfall (908635)



(c) Study Reference Diagram Q1B.

Explain the formation of a waterfall.

You may use diagrams if you wish.

3

Marks

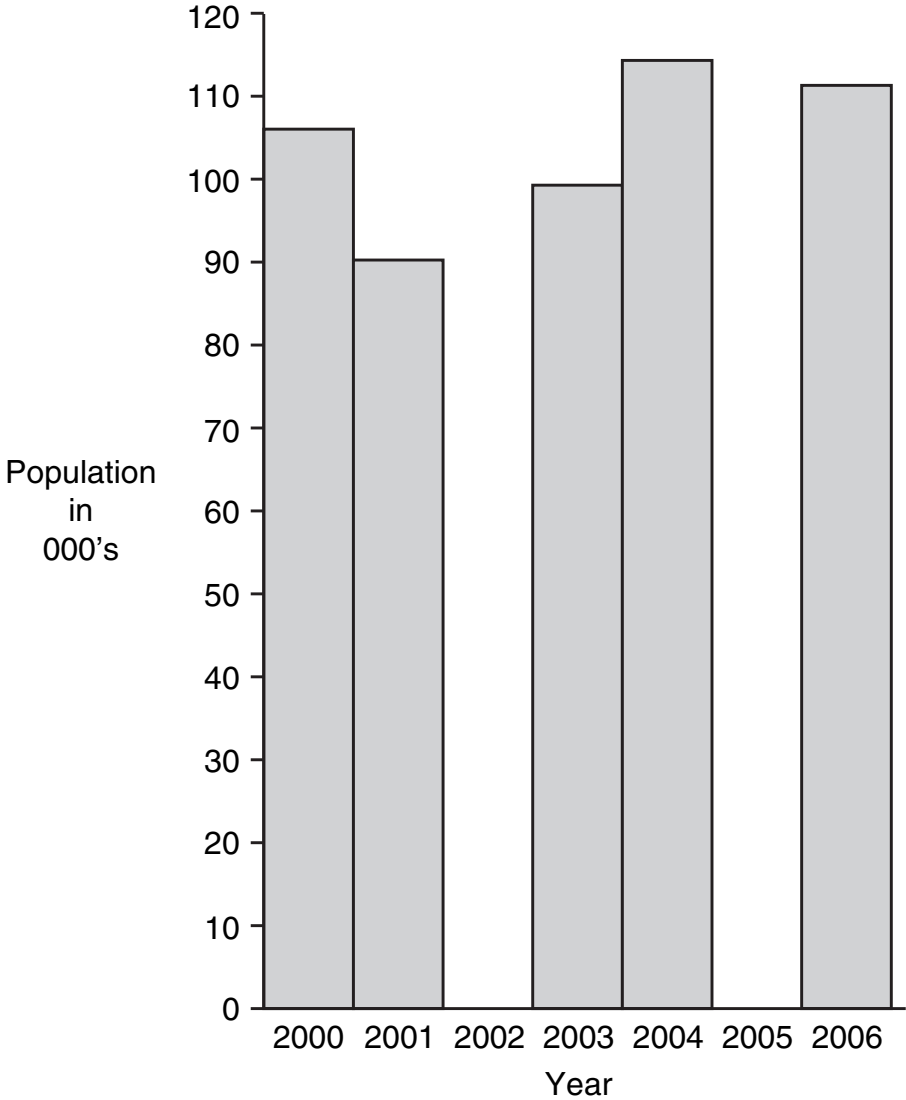
1. (continued)

(d) **Reference Diagram Q1C: Visitor Numbers to Malham National Park Centre (2000–2006)**

2000	—	106 000	2004	—	114 000
2001	—	90 000	2005	—	116 000
2002	—	56 000	2006	—	111 000
2003	—	109 000			

(i) Use the figures above to complete the graph below.

2



Marks

1. (d) (continued)

- (ii) Using map evidence, **explain** why the area around Malham is popular with tourists.

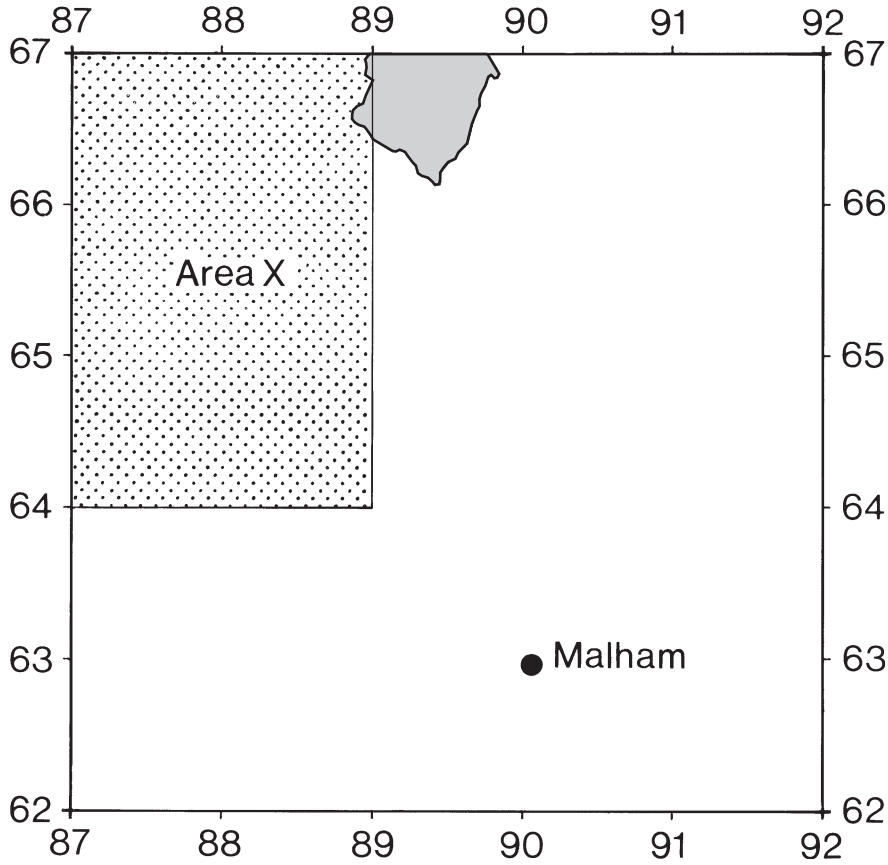
4

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Marks

1. (continued)

Reference Diagram Q1D



- (e) Study the Ordnance Survey Map Extract (No 1744/OL2) and Reference Diagram Q1D.

Give reasons why sheep farming is the main type of farming in area X.

3

Marks

1. (continued)

- (f) There are many disused quarries shown on the map extract which may spoil the appearance of the landscape.

Suggest ways in which their appearance can be improved.

3

Total 20

[END OF QUESTION 1]

NOW GO ON TO QUESTION 2

Marks

Question 2: Human Environments

Reference Diagram Q2A: Population Densities of Selected Countries

<i>Country</i>	<i>Population Density per km²</i>
Iceland	2.9
Australia	2.6
Brazil	22
United Kingdom	126
South Korea	480
Bangladesh	985

(a) Study Reference Diagram Q2A.

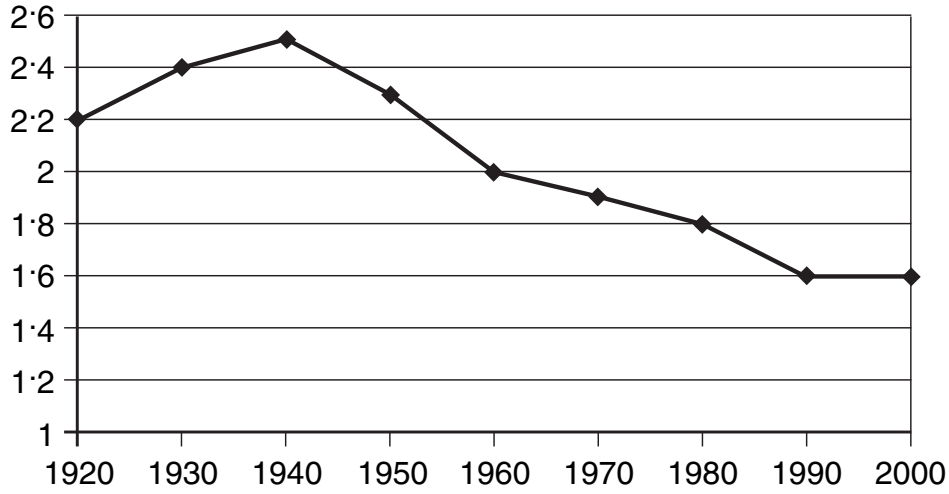
Why are some countries more densely populated than others?

3

Marks

2. (continued)

Reference Diagram Q2B: Average Number of Children per Woman in UK



(b) Study Reference Diagram Q2B.

(i) Describe **in detail** the changes shown on Reference Diagram Q2B.

3

(ii) Give reasons for the changes you have described in (b)(i).

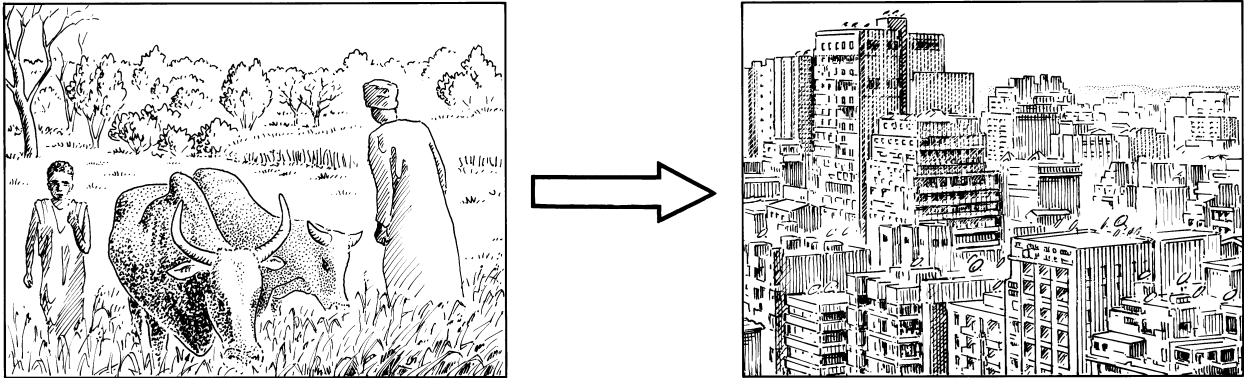
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2. (continued)

Marks

Reference Diagram Q2C: Rural—Urban Migration Diagram



(c) Study Reference Diagram Q2C.

Why do many people in poor countries move from rural to urban areas?

4

Reference Diagram Q2D: Transport Problems in Berlin

Traffic congestion is an increasing problem

20 minute car journey to take 1 hour

(d) Study Reference Diagram Q2D.

For Berlin or any other EMDC* city you have studied, describe methods used to reduce traffic congestion.

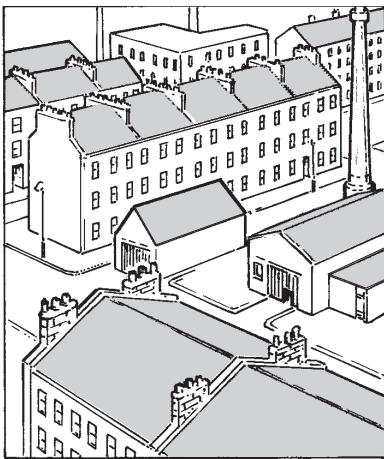
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*EMDC: Economically More Developed Country

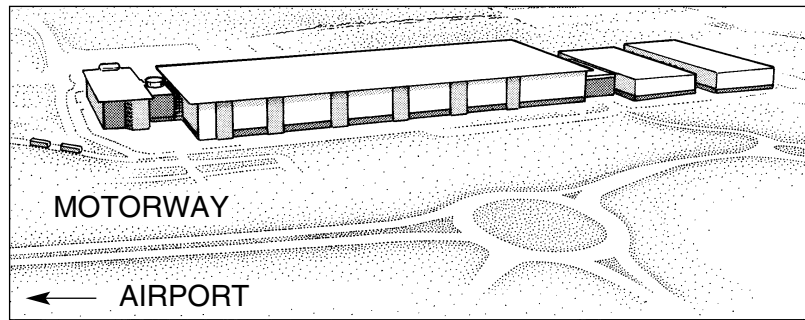
2. (continued)

Reference Diagrams Q2E: Old and New Industrial Locations

Inner City



Edge of Town



DO NOT
WRITE
IN THIS
MARGIN

(e) Study Reference Diagram Q2E.

Marks

Why have many industries changed location from the inner city to the edge of town?

4

Total 20

[END OF SECTION A]

NOW TURN TO SECTION B AND ANSWER ANY TWO QUESTIONS

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SECTION B

Environmental Interactions

Answer any two questions from this section.

Choose from

- | | | |
|------------|--|------------------|
| Question 3 | Rural Land Degradation | (Pages 14 to 15) |
| Question 4 | River Basin Management | (Pages 16 to 18) |
| Question 5 | European Environmental Inequalities | (Pages 20 to 21) |
| Question 6 | Development and Health | (Pages 22 to 23) |
| Question 7 | Environmental Hazards | (Pages 24 to 25) |

[Turn over

SECTION B

Question 3: Rural Land Degradation

Reference Diagram Q3A: Countries affected by Deforestation—2008



(a) Study Reference Diagram Q3A.

Describe the distribution of countries affected by deforestation in 2008.

3

Marks

3. (continued)

(b) For a forest area you have studied, describe methods used to reduce deforestation.

3

Reference Diagram Q3B: Causes of Desertification

CLIMATE

FARMING METHODS

POPULATION DENSITY

(c) Study Reference Diagram Q3B.

For an area you have studied, **explain** how **two** of the above factors have resulted in increased desertification.

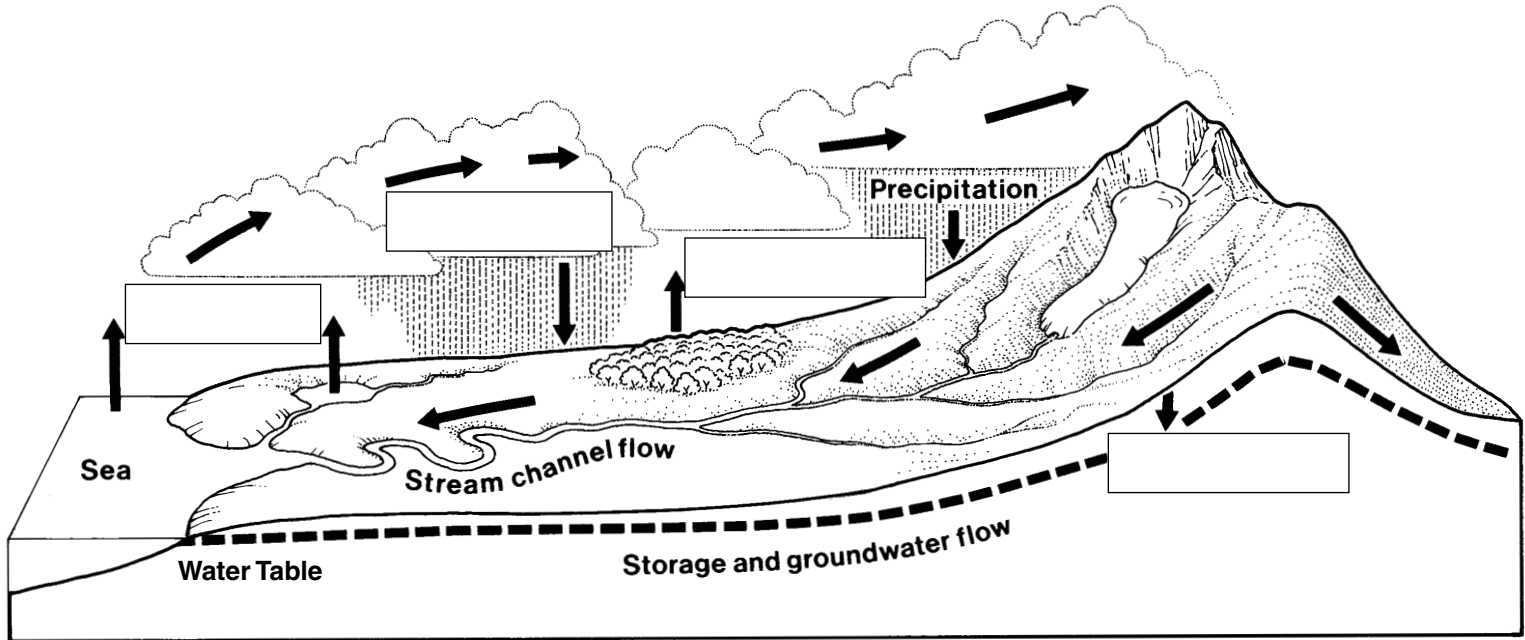
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Question 4: River Basin Management

Reference Diagram Q4A: Hydrological Cycle



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- (a) Complete Reference Diagram Q4A to show the main parts of the Hydrological Cycle.
Choose from: transpiration : evaporation : condensation : infiltration.

Marks

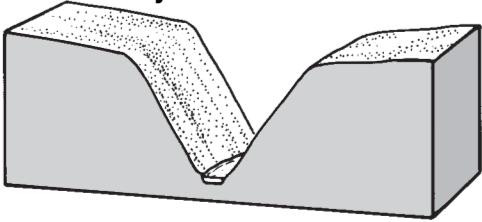
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4. (continued)

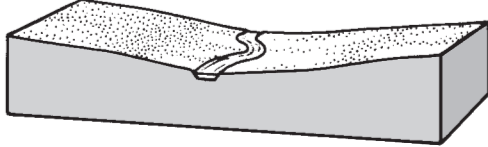
Reference Diagram Q4B: Possible Dam Location Sites

Valley Cross Section A



Geology: Sandstone
Annual Precipitation: 500 mm
Population Density: 50 per km²
Main land use: agricultural

Valley Cross Section B



Geology: Granite
Annual Precipitation: 1000 mm
Population Density: 250 per km²
Main land use: industrial

(b) Look at Reference Diagram Q4B.

Which would be the best site for a dam to be built, A or B?

Explain your choice.

Site chosen _____

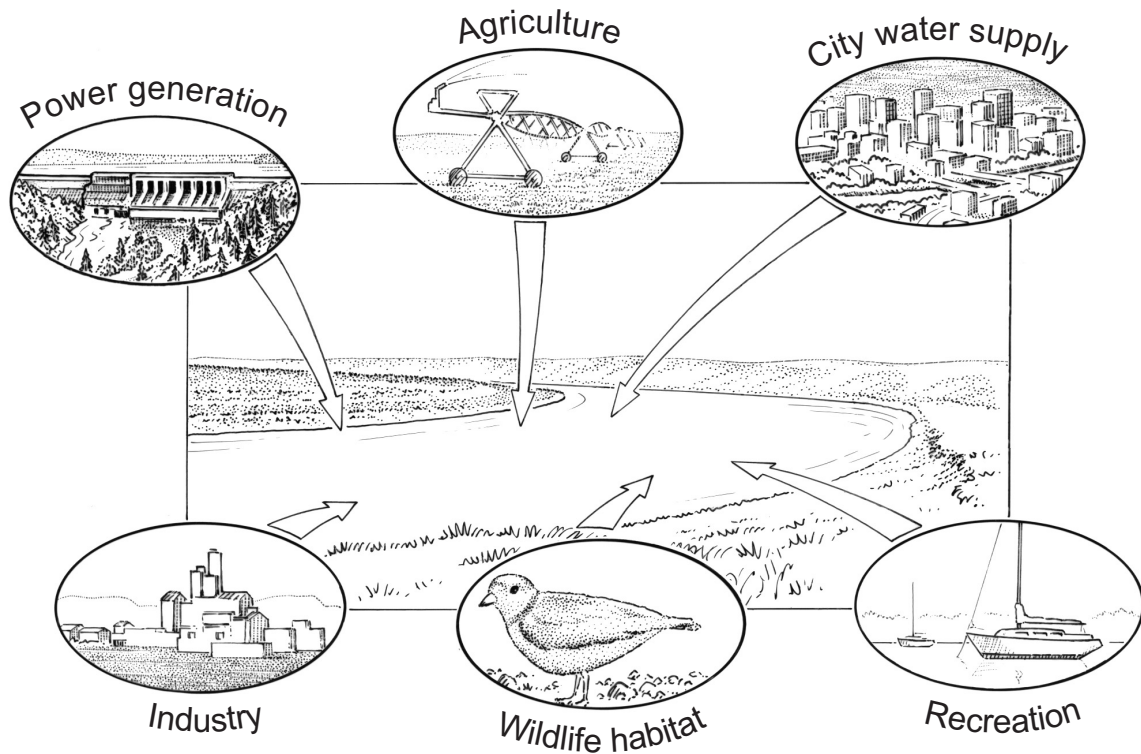
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4. (continued)

Reference Diagram Q4C: Water Control Project Canada



(c) For any water control project you have studied, describe **either** the economic **or** the environmental benefits.

3

Total 10

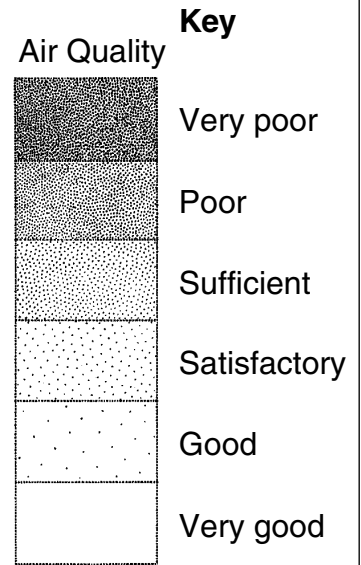
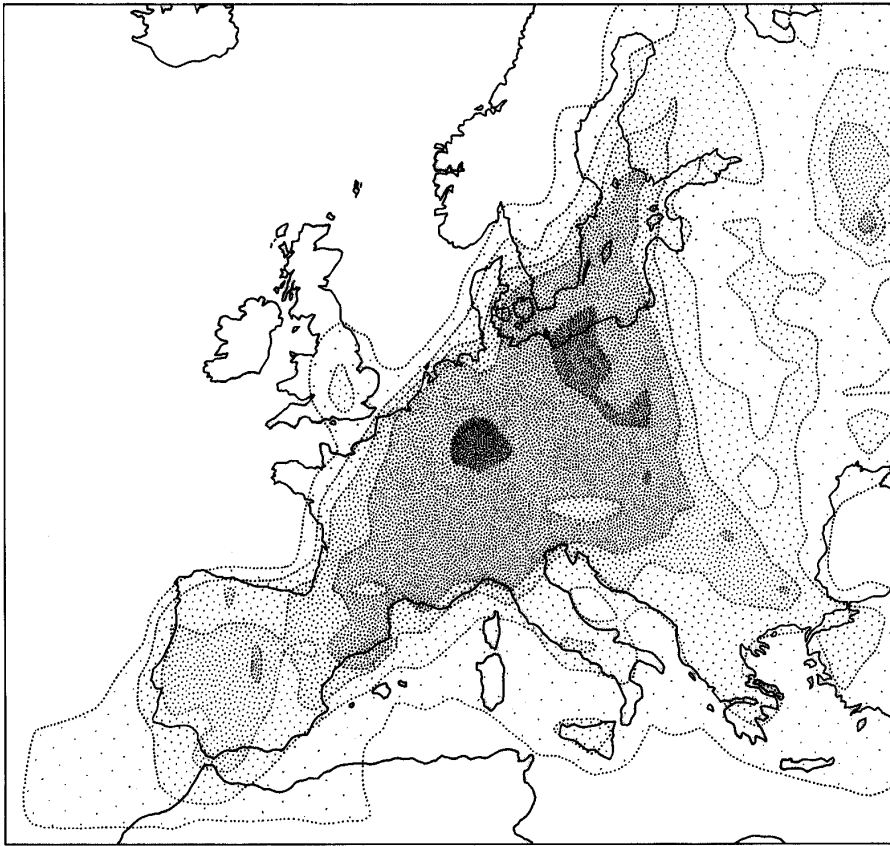
[Turn over for Question 5 on *Page twenty*

Question 5: European Environmental Inequalities

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Reference Map Q5A: Air Quality in Europe

Marks



(a) Study Reference Diagram Q5A.

Describe the pattern of air quality in Europe.

3

Marks

5. (continued)

(b) (i) For two coastal areas **or** two mountain areas you have studied, give reasons for differences in the quality of their environments.

4

Reference Diagram Q5B: Newspaper Headline

**TACKLING ENVIRONMENTAL PROBLEMS IS
MAIN EUROPEAN UNION PRIORITY**

(ii) What strategies are used to improve environmental quality in areas suffering from pollution?

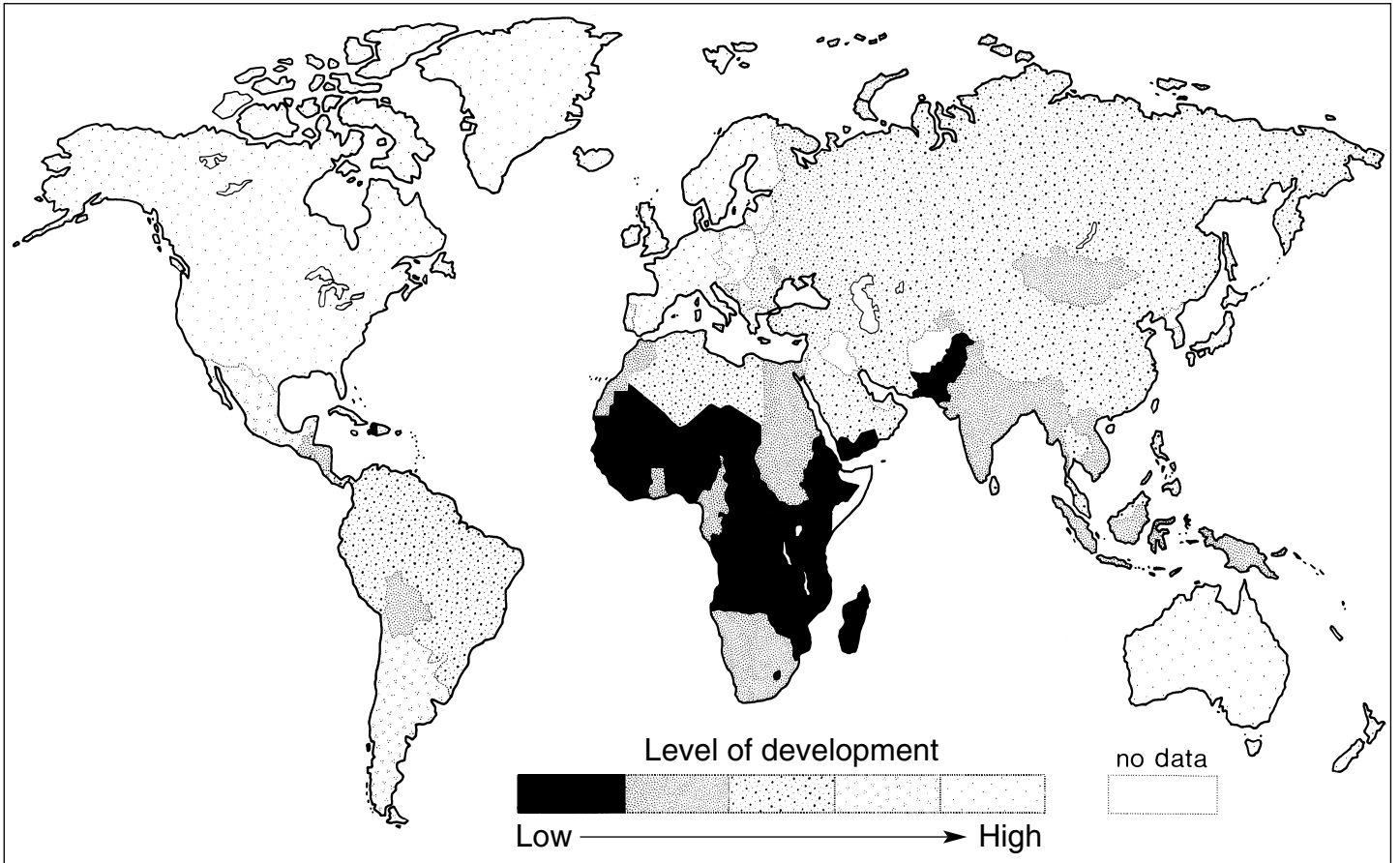
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Question 6: Development and Health

Reference Map Q6A: Levels of Development in Selected Countries



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(a) Look at Reference Map Q6A which shows levels of development.

Marks

Referring to physical factors **and** human factors, **explain** why some countries are more developed than others.

4

Marks

6. (continued)

Reference Diagram Q6B

“Malaria is still the biggest cause of death in the world today.”

World Health Organisation

(b) What factors lead to the spread of malaria?

3

(c) For malaria **or** heart disease **or** AIDS, suggest methods of preventing or controlling your chosen disease.

3

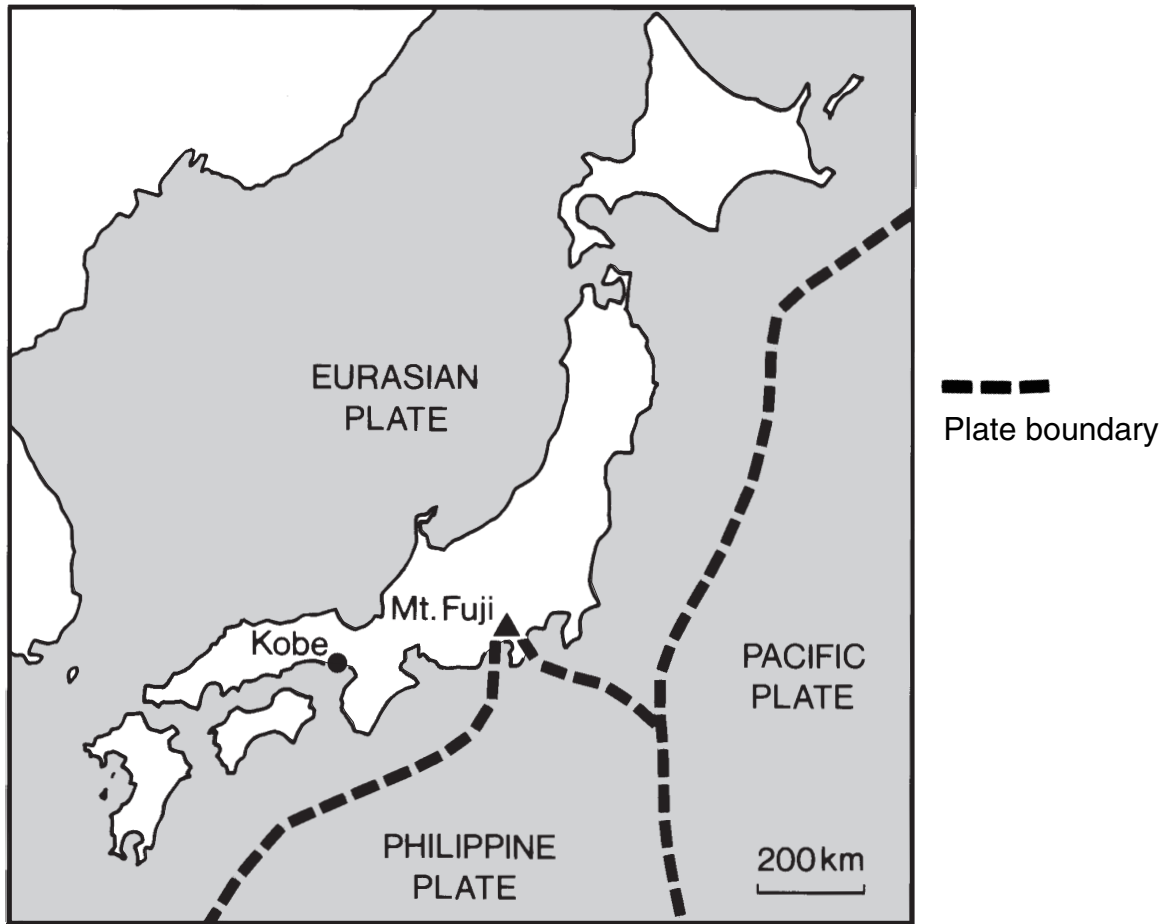
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Marks

Question 7: Environmental Hazards

Reference Diagram Q7A: Kobe Earthquake, Japan 1995



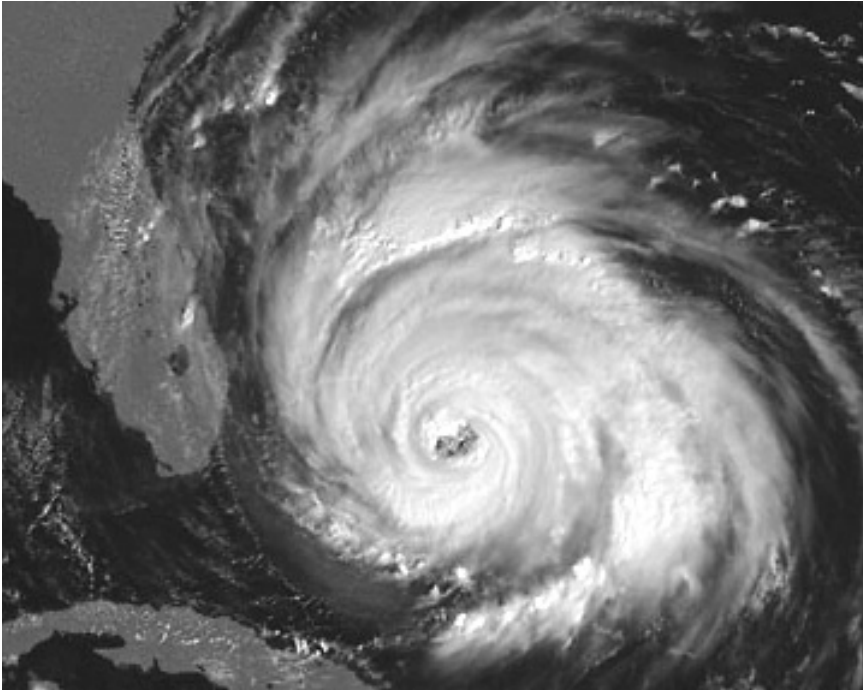
(a) For an earthquake **or** volcanic eruption you have studied, describe its impact on the landscape **and** population.

4

7. (continued)

Reference Diagram Q7B: Hurricane approaching Florida

Marks



(b) Study Reference Diagram Q7B.

(i) **Explain** how a tropical storm is formed.

3

(ii) What can be done to reduce the impact of a tropical storm as it approaches an area in its path?

3

Total 10

[END OF QUESTION PAPER]

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