FOR OFFICIAL USE

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

Town

Forename(s)

Surname

Date of birth
Day Month Year

Scottish candidate number

Number of seat

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.

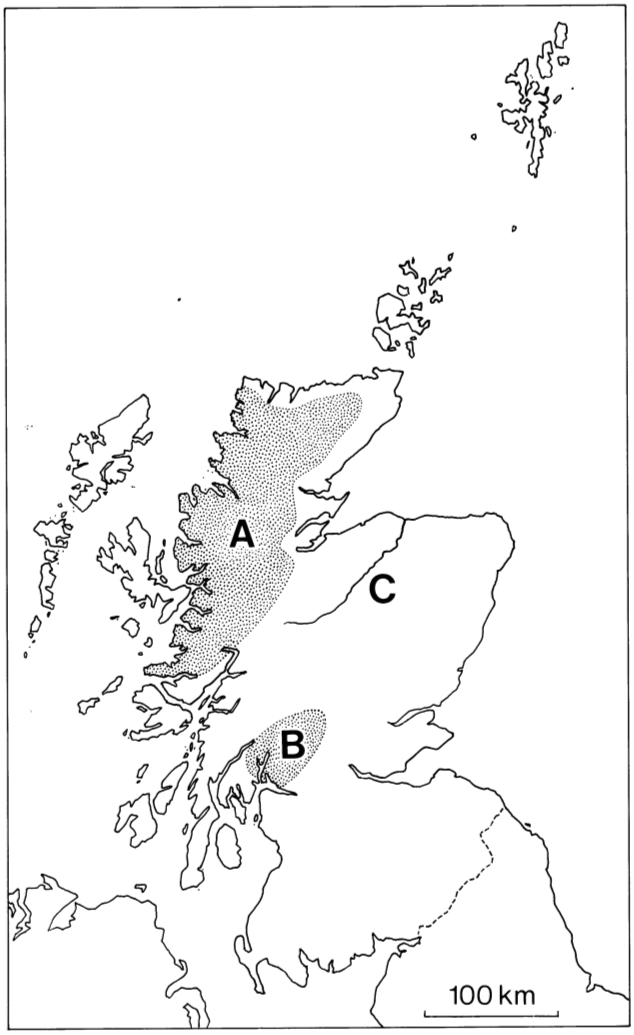
SECTION A

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	

3

DO NOT WRITE IN THIS MARGIN

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

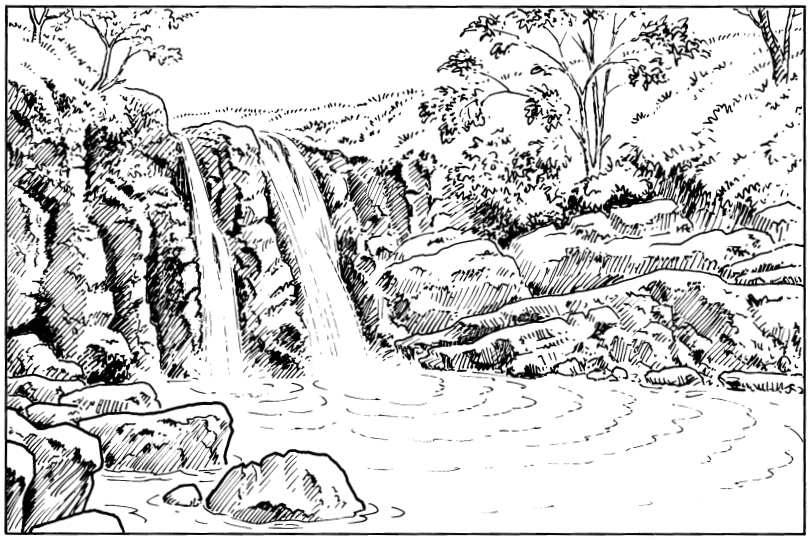
Match the following grid references with the limestone features in the table below. *Marks*

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

Limestone Feature	*Grid Reference*
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

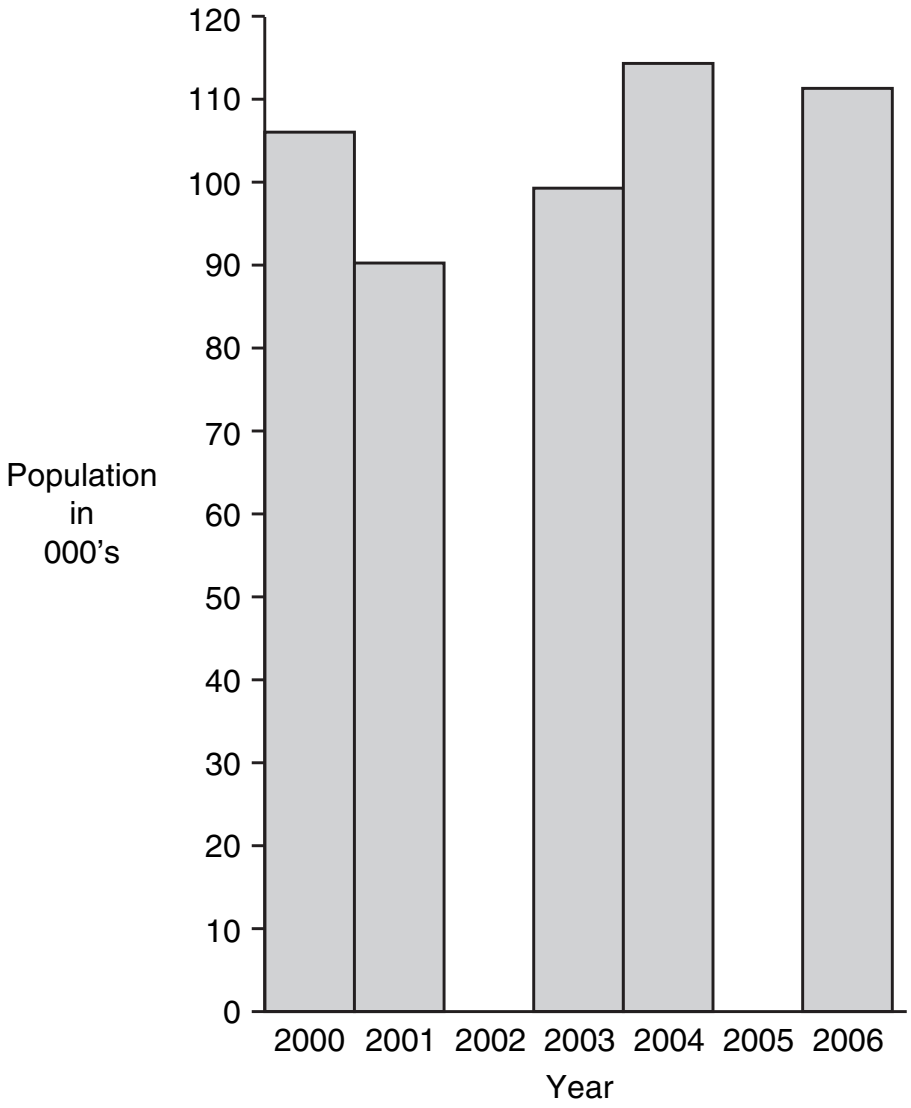
Marks

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**



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Marks

1. (*d*) (continued)

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

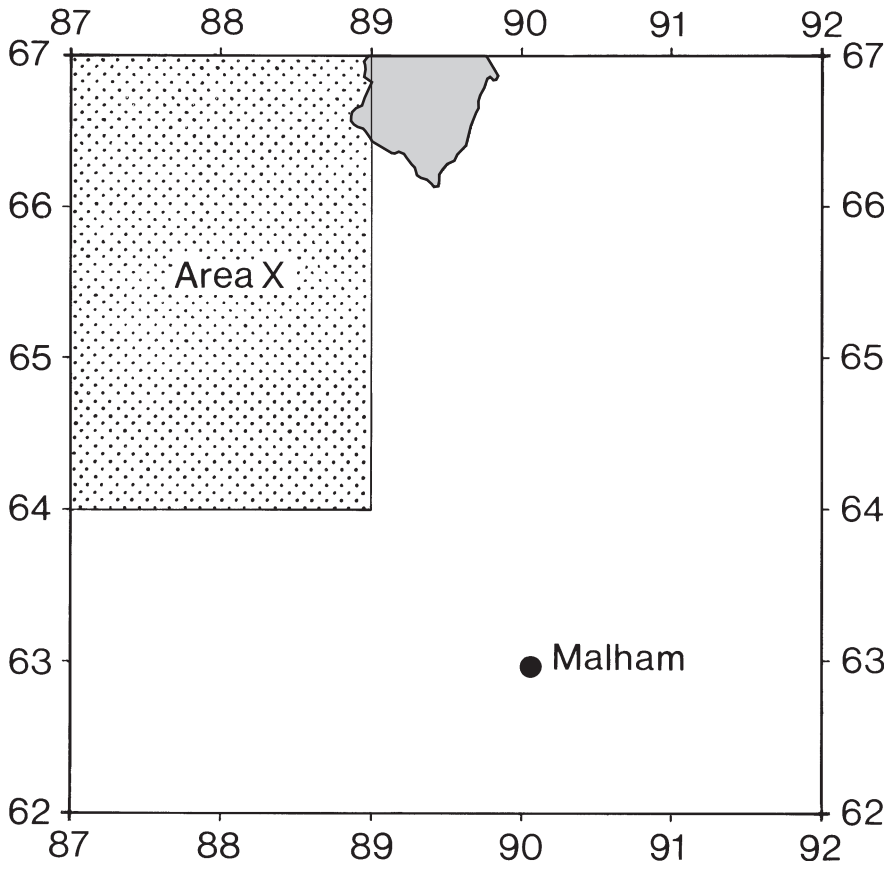
4

[Turn over

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

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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

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Marks

Question 2: Human Environments

Reference Diagram Q2A: Population Densities of Selected Countries

Country	*Population Density per km²*
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

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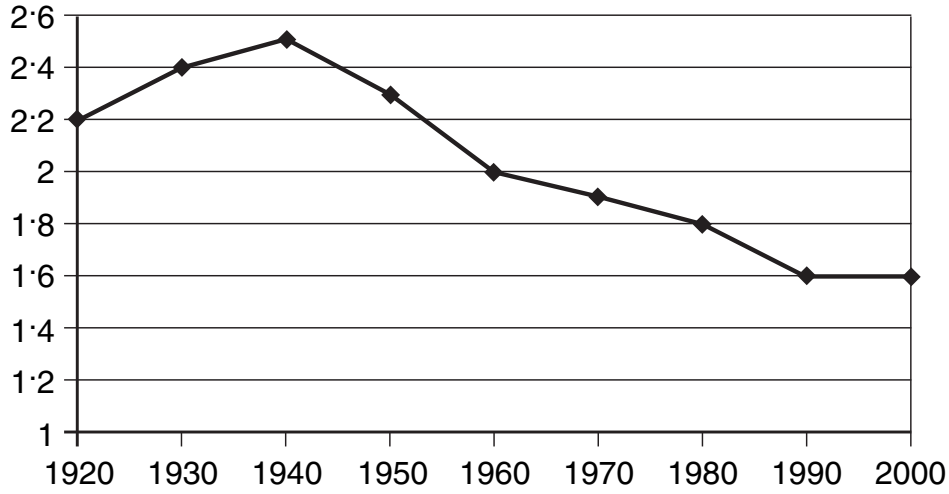
Marks

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**

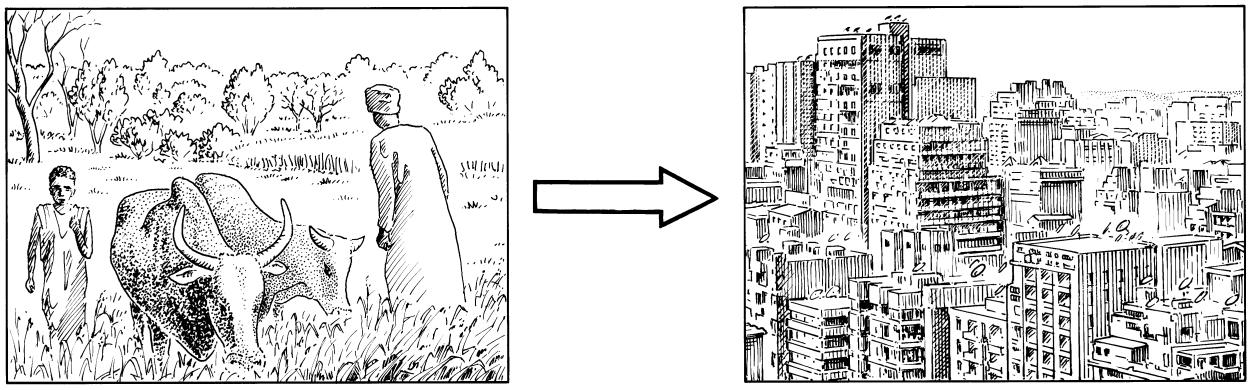
(ii) Give reasons for the changes you have described in (*b*)(i). **3**

[Turn over

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.

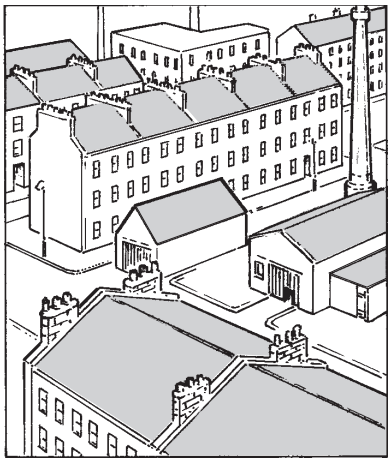
For Berlin or any other EMDC* city you have studied, describe methods used to reduce traffic congestion. **3**

*EMDC: Economically More Developed Country

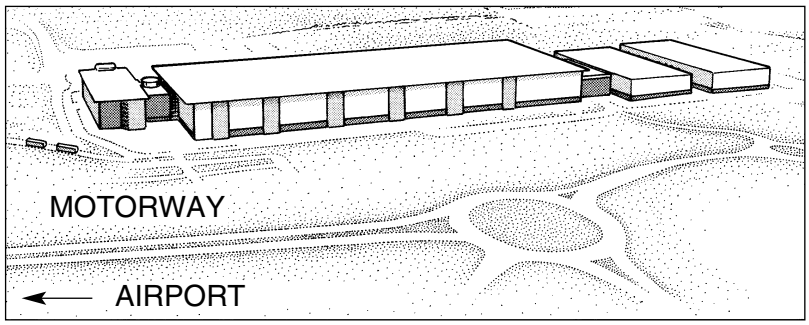
2. (continued)

Reference Diagrams Q2E: Old and New Industrial Locations

Inner City



Edge of Town



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(*e*) Study Reference Diagram Q2E.

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

Marks

_____

_____

_____

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_____ **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

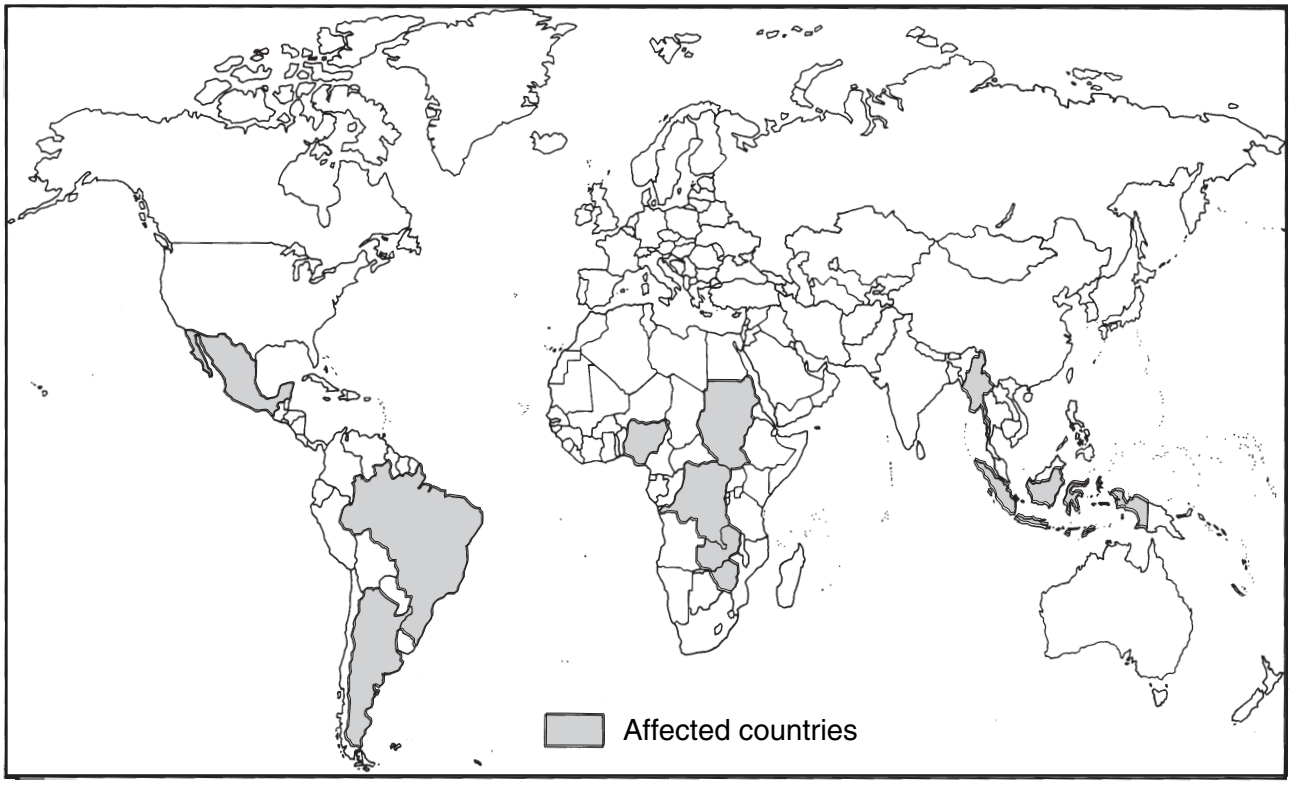
[Turn over

Marks

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.

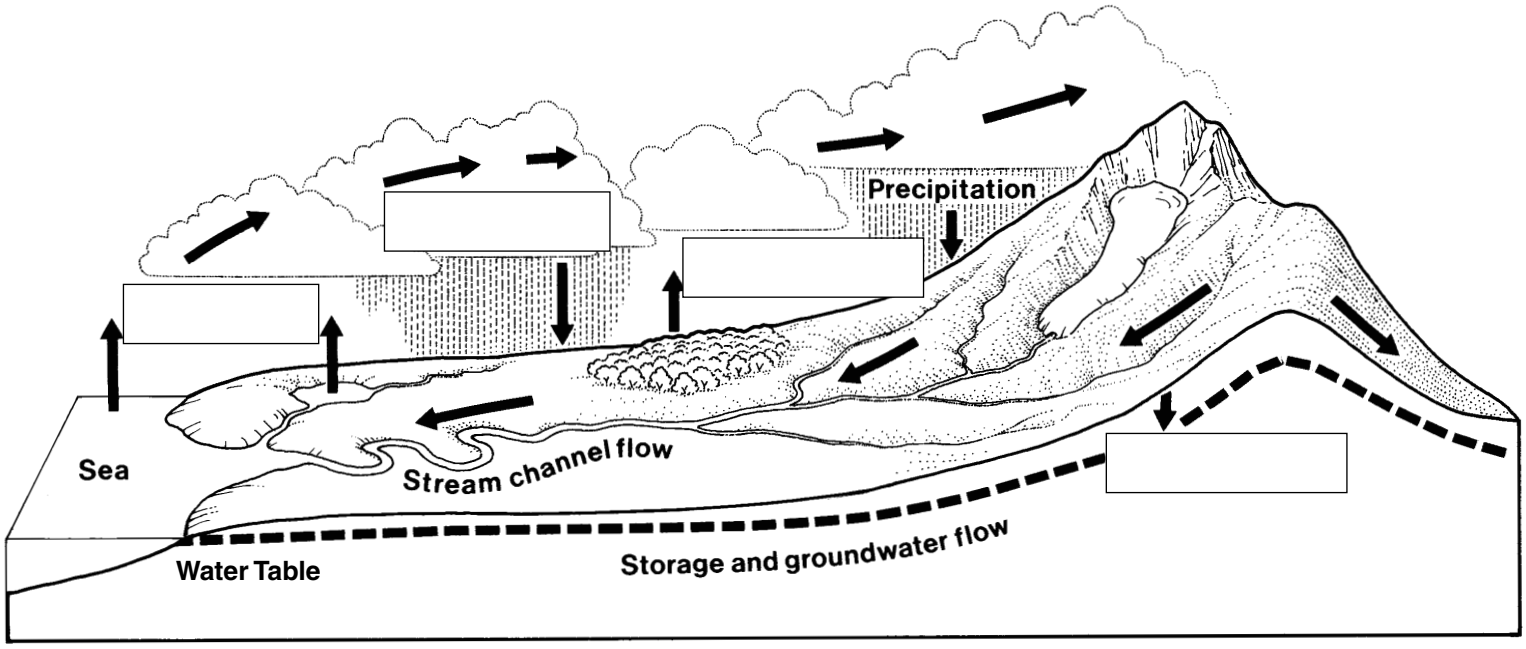
4

Total 10

[Turn over

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.

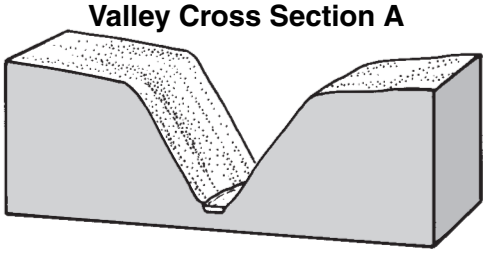
Choose from: transpiration : evaporation : condensation : infiltration. **3**

Marks

4. (continued)

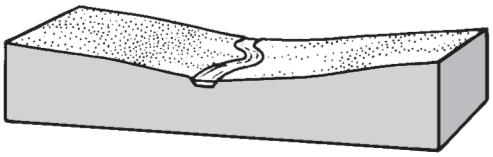
Reference Diagram Q4B: Possible Dam Location Sites

Valley Cross Section A



Geology: Sandstone
Annual Precipitation: 500 mm
Population Density: 50 per km^2
Main land use: agricultural

Valley Cross Section B



Geology: Granite
Annual Precipitation: 1000 mm
Population Density: 250 per km^2
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 _____

_____

_____

_____

_____

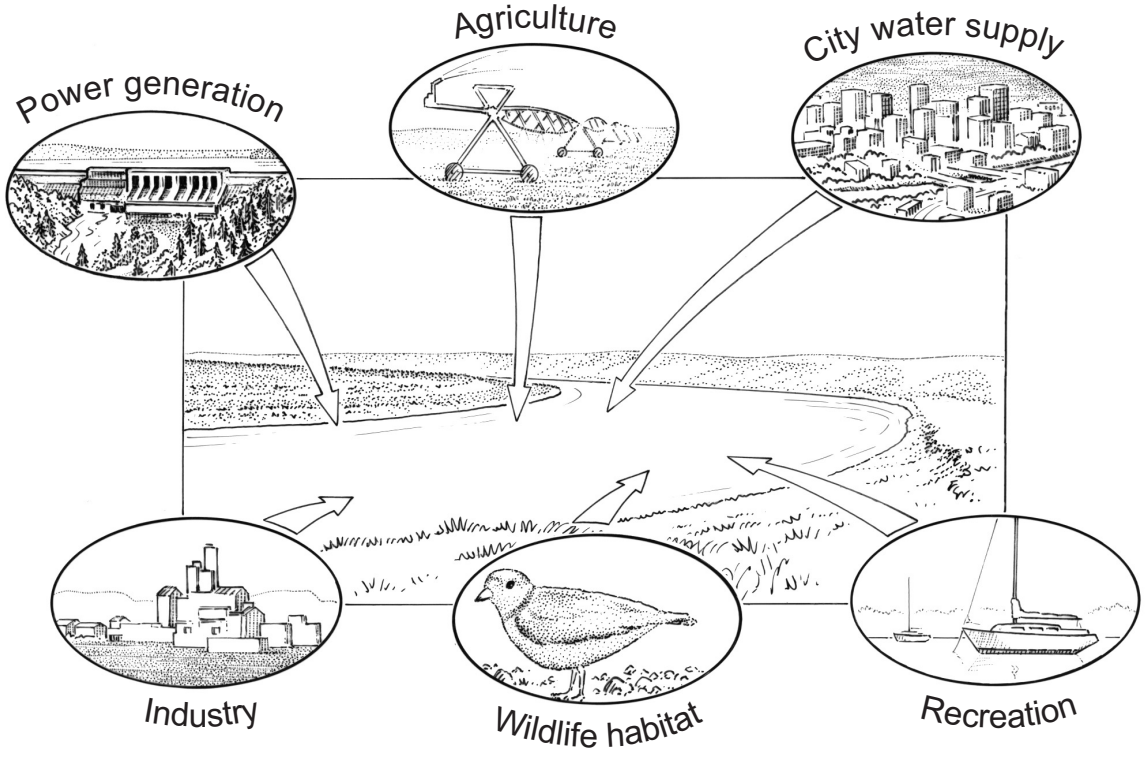
_____ **4**

[Turn over

Marks

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*

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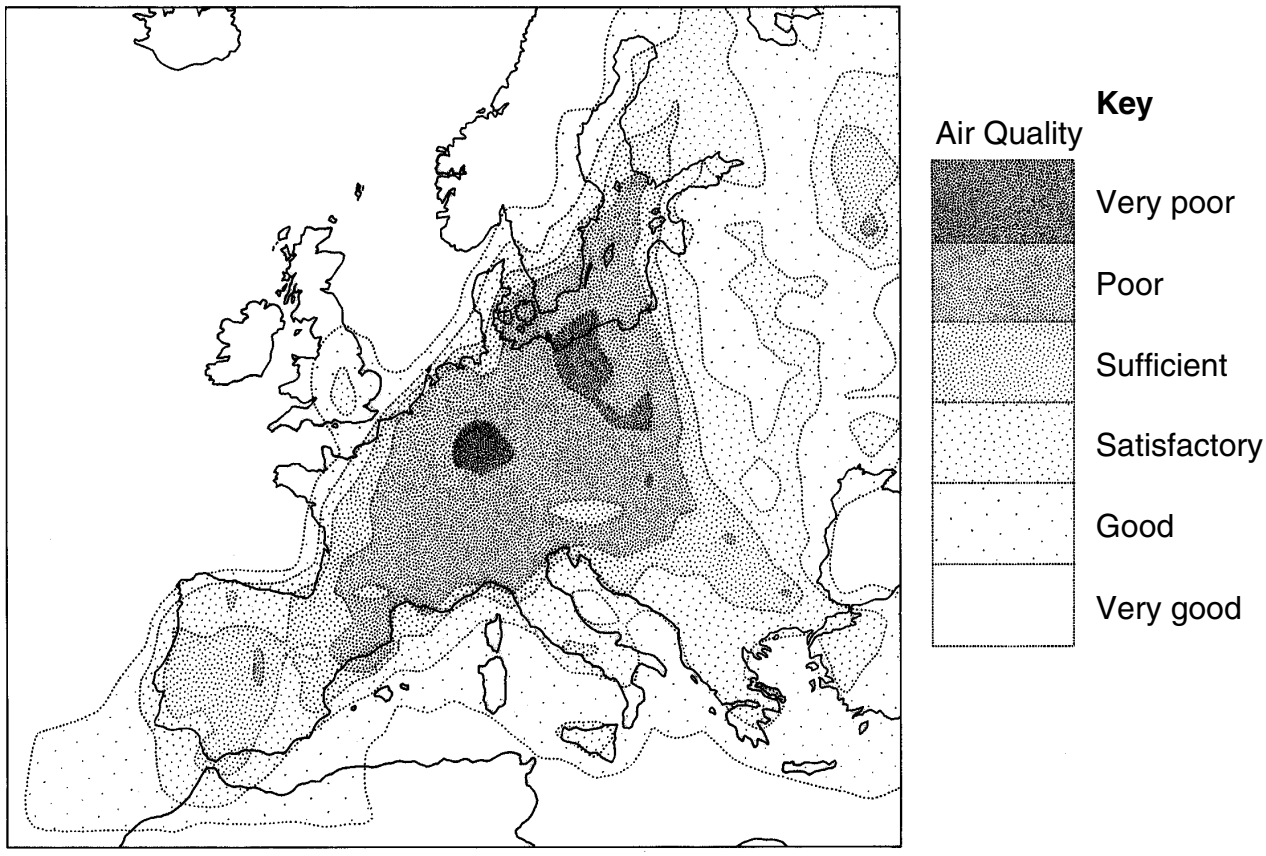
Question 5: European Environmental Inequalities

Reference Map Q5A: Air Quality in Europe

Marks



(*a*) Study Reference Diagram Q5A.

Describe the pattern of air quality in Europe.

3

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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?

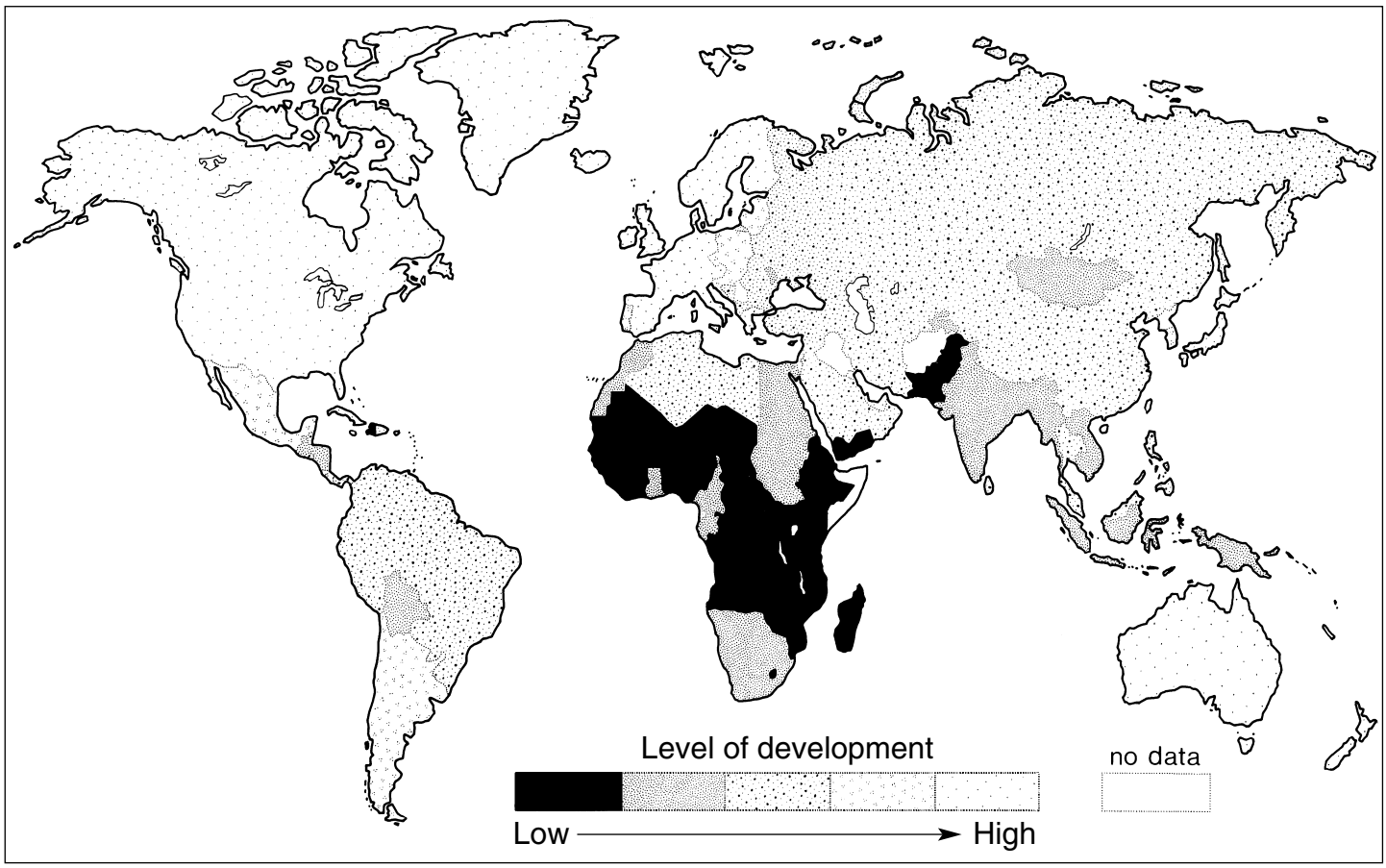
3

Total 10

[Turn over

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.

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

4

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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

Total 10

[Turn over

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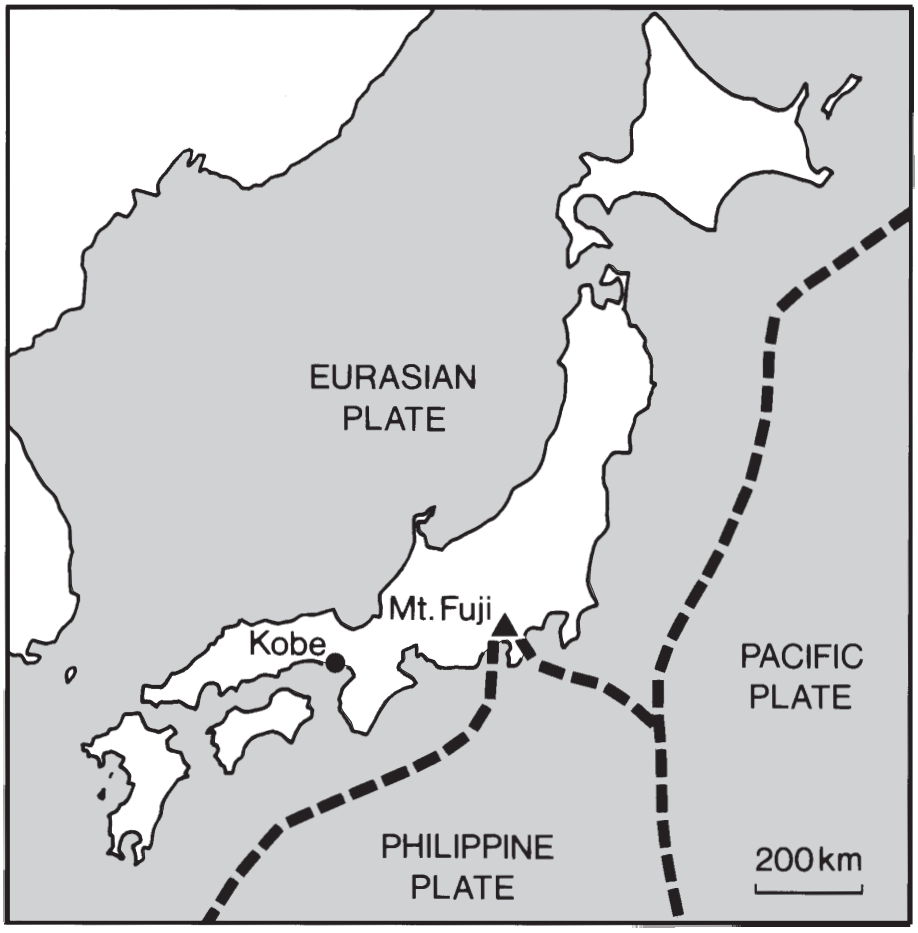
Question 7: Environmental Hazards

Reference Diagram Q7A: Kobe Earthquake, Japan 1995



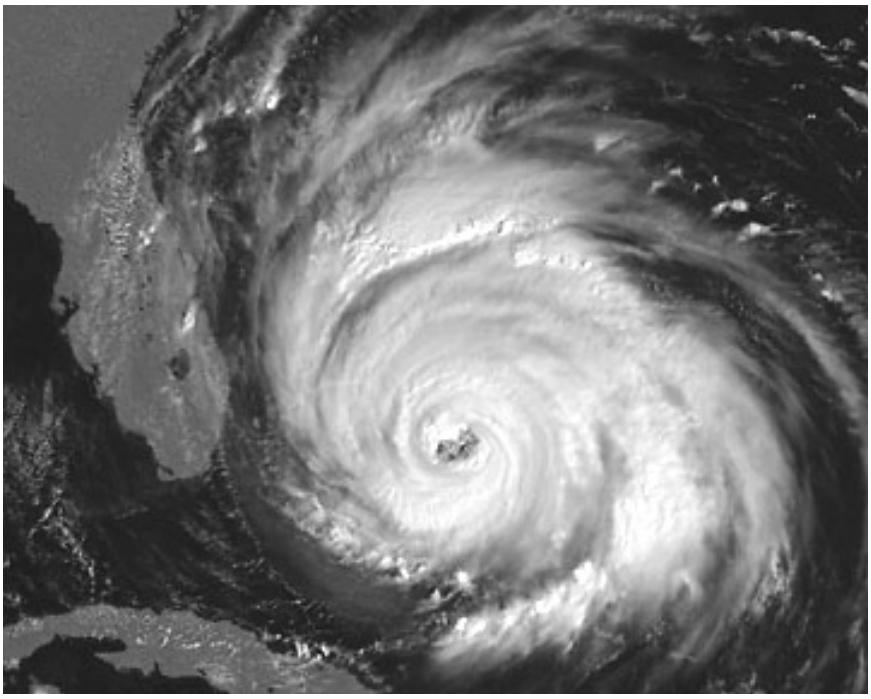
(*a*) For an earthquake **or** volcanic eruption you have studied, describe its impact on the landscape **and** population.

4

7. (continued)

Marks

Reference Diagram Q7B: Hurricane approaching Florida



(*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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