

X208/201

NATIONAL
QUALIFICATIONS
2007

MONDAY, 28 MAY
9.00 AM – 11.00 AM

GEOGRAPHY
INTERMEDIATE 2

Candidates should answer **four** questions: Section A Question 1
and
Question 2

AND

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

Candidates should read the questions carefully. Answers should be clearly expressed and relevant.

Credit will always be given for appropriate sketch-maps and diagrams.

Write legibly and neatly, and leave a space of about one cm between the lines.

All maps and diagrams in this paper have been printed in black only: no other colours have been used.



SECTION A

IN THIS SECTION YOU **MUST** ANSWER QUESTION 1 **AND** QUESTION 2.

Question 1: Physical Environments

Study the Ordnance Survey Map Extract No 1559/115.

(a) Describe the **physical** features of the river Afon Ogwen **and** its valley from grid reference 650604 to grid reference 611722. **4**

(b) **Identify** the feature of glacial erosion found at each of the grid references below.

662622

645610

673653

660605

Choose from:

Corrie

Pyramidal Peak

Ribbon Lake

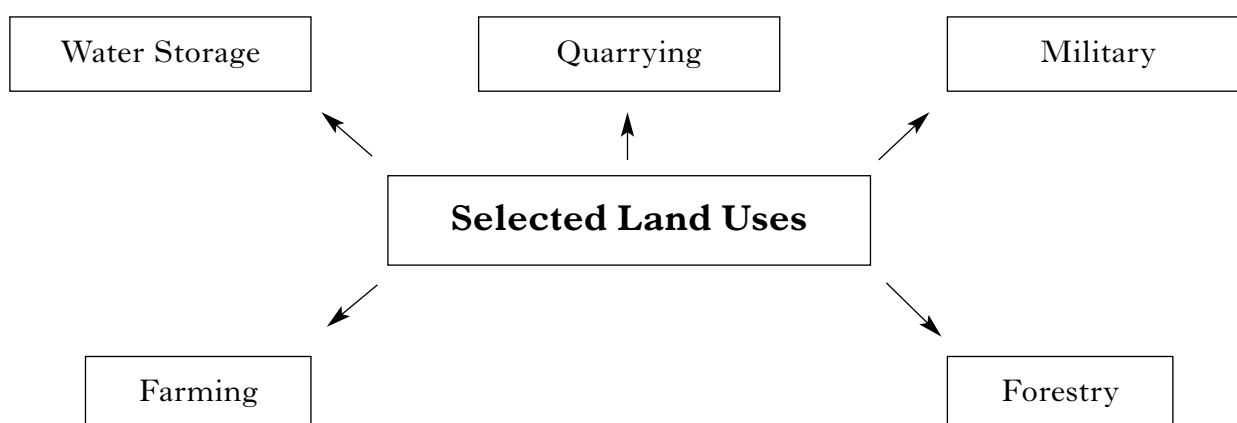
U-shaped Valley. **3**

(c) **Explain** how a corrie is formed.

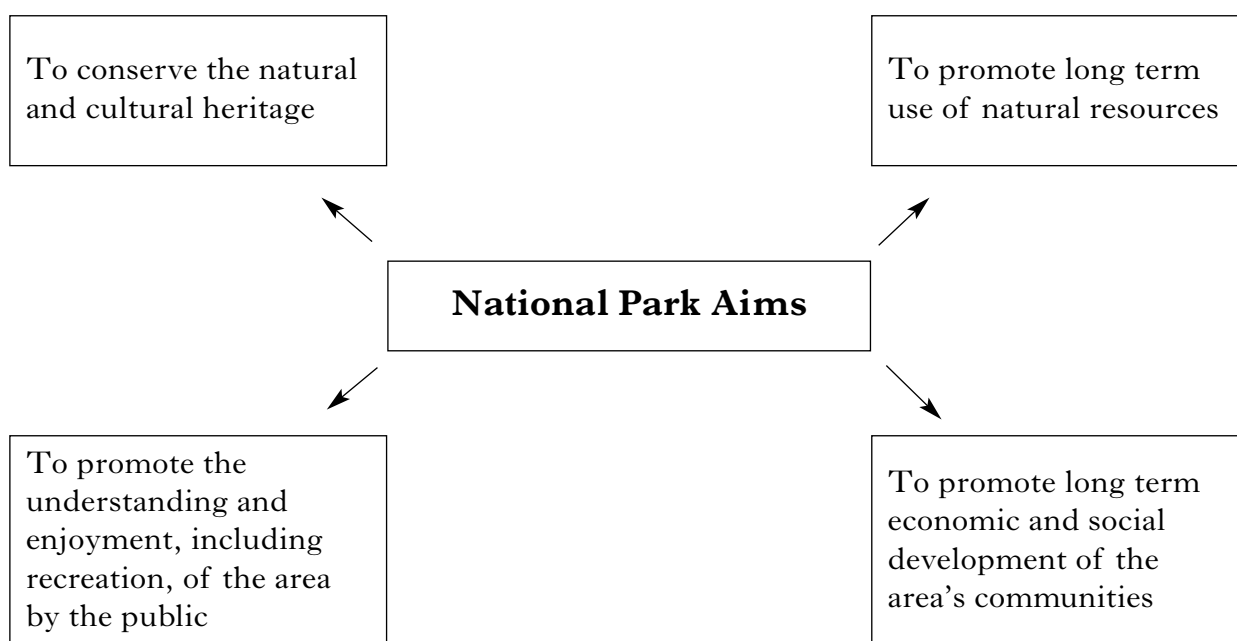
You may use a diagram(s) to illustrate your answer. **4**

1. (continued)

Reference Diagram Q1A: Selected Land Uses in National Parks



Reference Diagram Q1B: Aims of National Parks



(d) Look at Reference Diagrams Q1A and Q1B.

Select **two** land uses from Reference Diagram Q1A.

Explain, in detail, different ways in which your chosen land uses are in conflict with the aims of the National Parks.

5

(e) (i) For a coastal area you have studied, **explain**, in detail, the benefits and problems which tourism has brought to the area.

5

(ii) Describe, in detail, ways in which public **and** voluntary organisations attempt to manage problems caused by tourism in such areas.

4

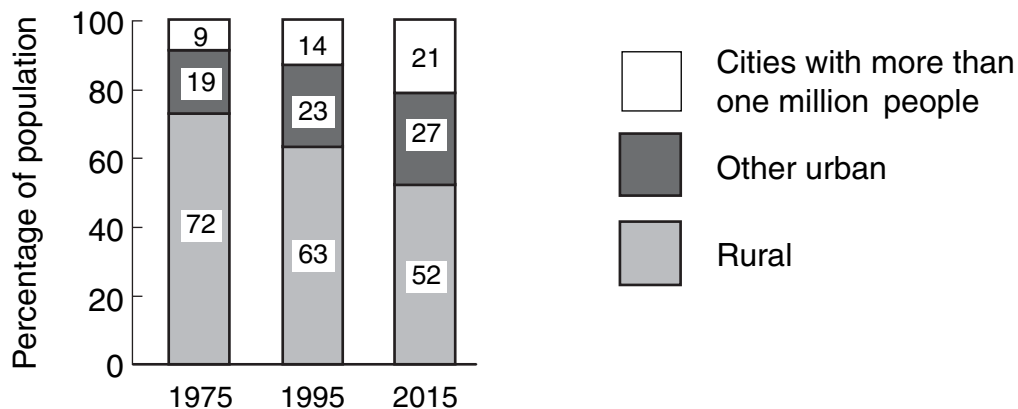
(25)

[END OF QUESTION 1]

NOW GO ON TO QUESTION 2

Question 2: Human Environments

Reference Diagram Q2A: Projected Changes in Urban/Rural Population for Economically Less Developed Countries

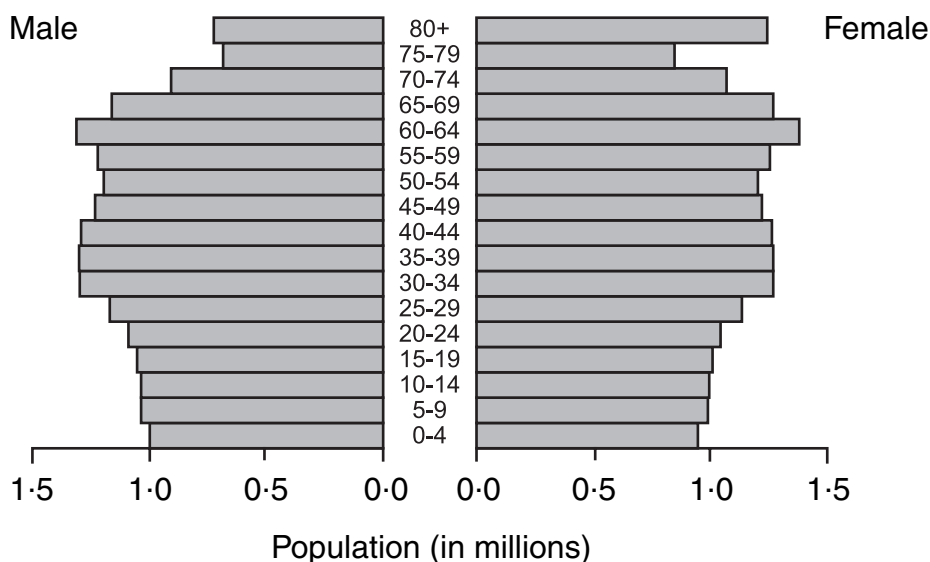


(a) Study Reference Diagram Q2A.

(i) Describe, in detail, the trends shown from 1975 to 2015. 3

(ii) **Explain** the changes shown for cities with more than one million people. 4

Reference Diagram Q2B: Population Pyramid for Canada in 2008



(b) Study Reference Diagram Q2B.

For Canada, or any other EMDC* you have studied, describe the long term problems which may be caused by its population structure. 5

*EMDC = economically more developed country

2. (continued)

Reference Diagram Q2C: Shopping Area, Cardiff City Centre

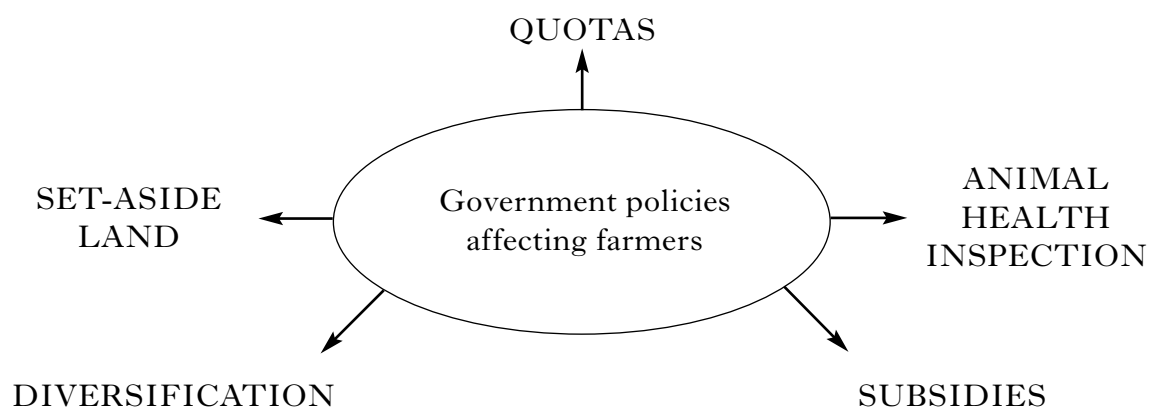


(c) Study Reference Diagram Q2C.

For a named city you have studied in an EMDC, give reasons for the main changes which have taken place in the city centre shopping area over the last thirty years.

5

Reference Diagram Q2D: European Agricultural Policies



(d) Study Reference Diagram Q2D.

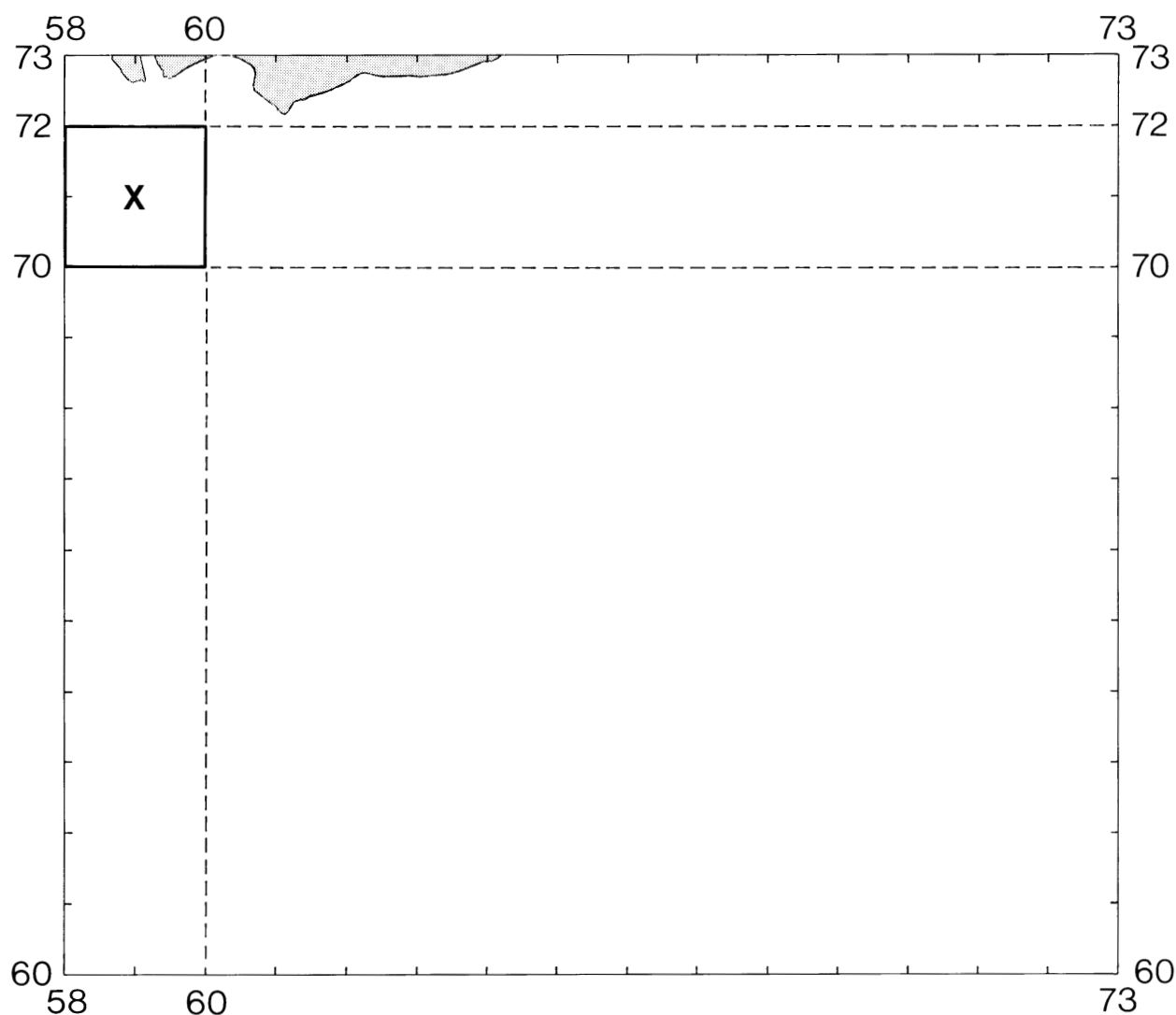
For **two** of the policies shown above, **explain** why they were necessary.

4

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2. (continued)

Reference Diagram Q2E: Bangor Industrial Estate



- (e) Study the Ordnance Survey Map Extract No 1559/115 and Reference Diagram Q2E. Bangor industrial estate is located in area X. Using map evidence, discuss the suitability of this site for an industrial estate.

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[END OF SECTION A]

NOW TURN TO SECTION B AND ANSWER TWO QUESTIONS

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SECTION B

Environmental Interactions

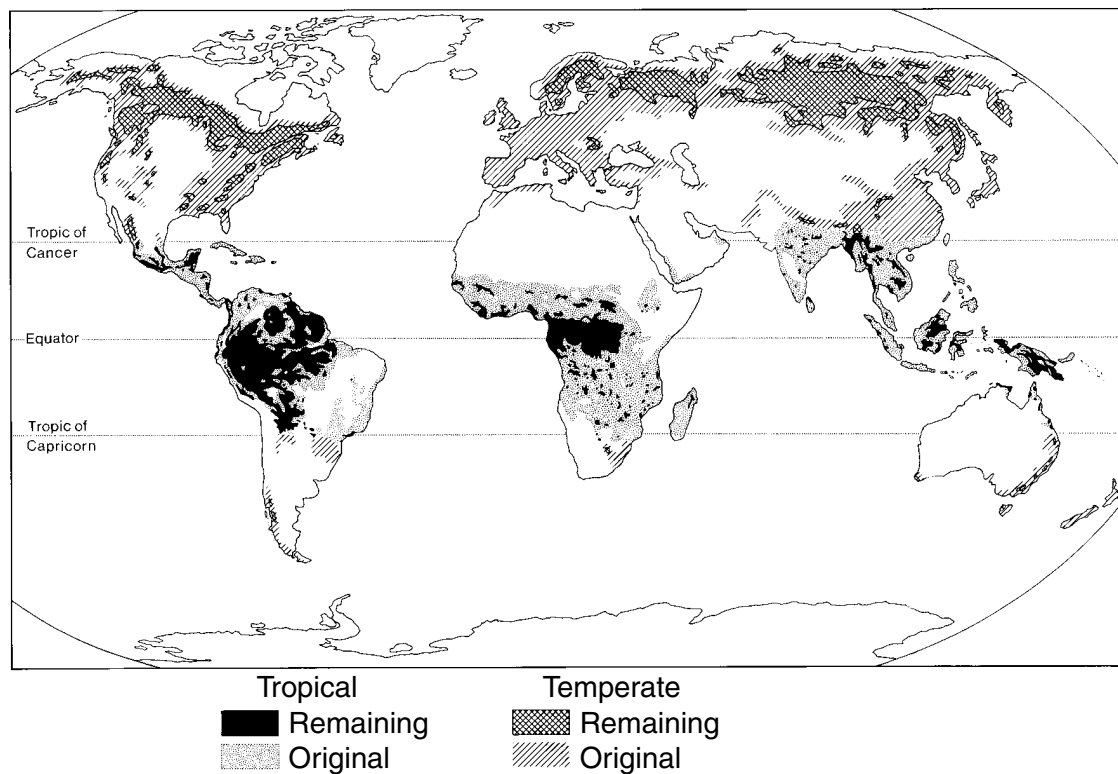
Answer any two questions from this section.

Choose from

- | | | |
|------------|--|------------------|
| Question 3 | Rural Land Degradation | (Page 9) |
| Question 4 | River Basin Management | (Pages 10 to 12) |
| Question 5 | European Environmental Inequalities | (Pages 13 to 14) |
| Question 6 | Development and Health | (Page 15) |
| Question 7 | Environmental Hazards | (Pages 16 to 17) |

Question 3: Rural Land Degradation

Reference Map Q3A: Distribution of Original and Remaining Forests

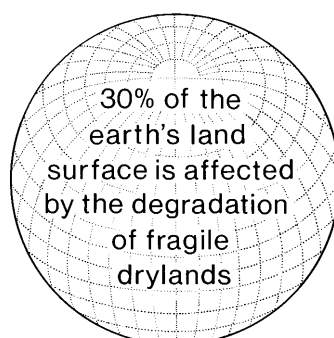


(a) Study Reference Map Q3A.

For a forest area you have studied:

- (i) **explain** the impact of increasing population density on the rate of deforestation; 5
- (ii) describe ways in which the rate of deforestation can be reduced. 4

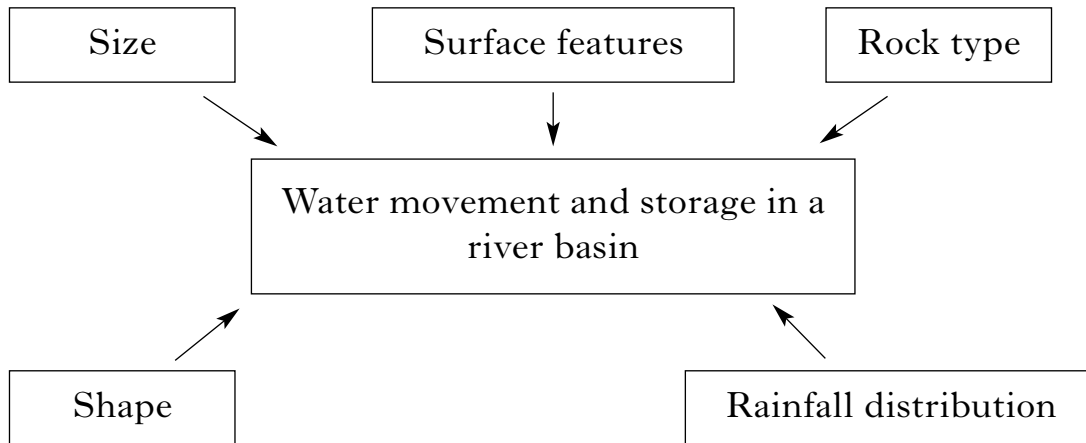
Reference Diagram Q3B: World Desertification



(b) Study Reference Diagram Q3B.

Describe the effects of continuing desertification on the human **and** physical environment of arid or semi-arid areas you have studied.

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(15)

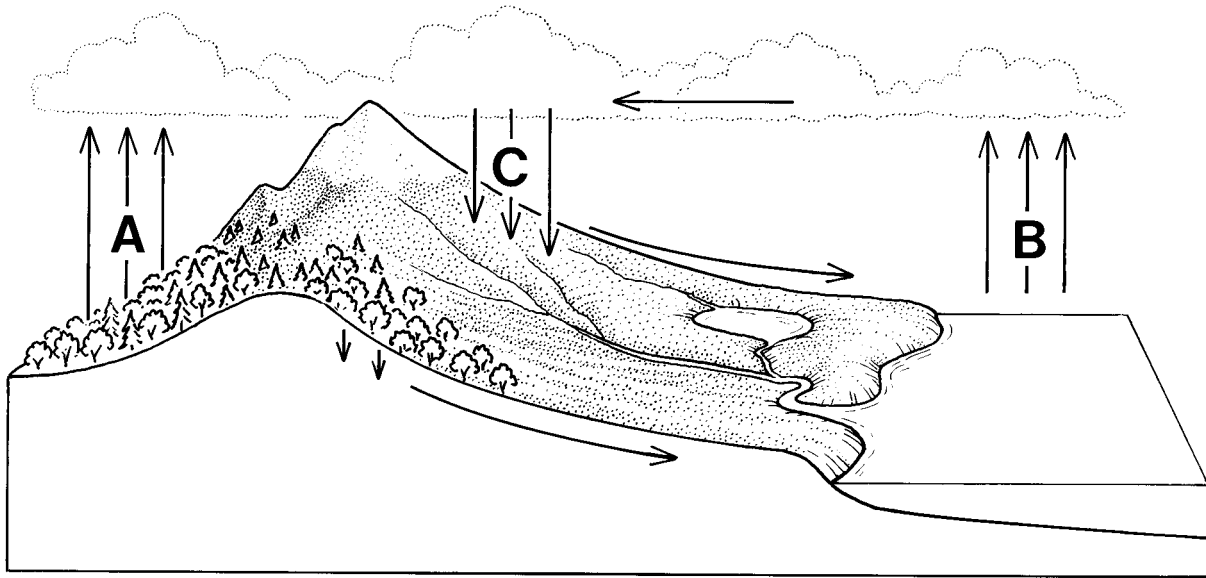
Question 4: River Basin Management**Reference Diagram Q4A: Factors affecting Water Movement and Storage in a River Basin**

- (a) For any river basin you have studied, **explain** how the factors shown above can affect the movement and storage of water.

6

4. (continued)

Reference Diagram Q4B: The Hydrological Cycle



(b) Look at Reference Diagram Q4B.

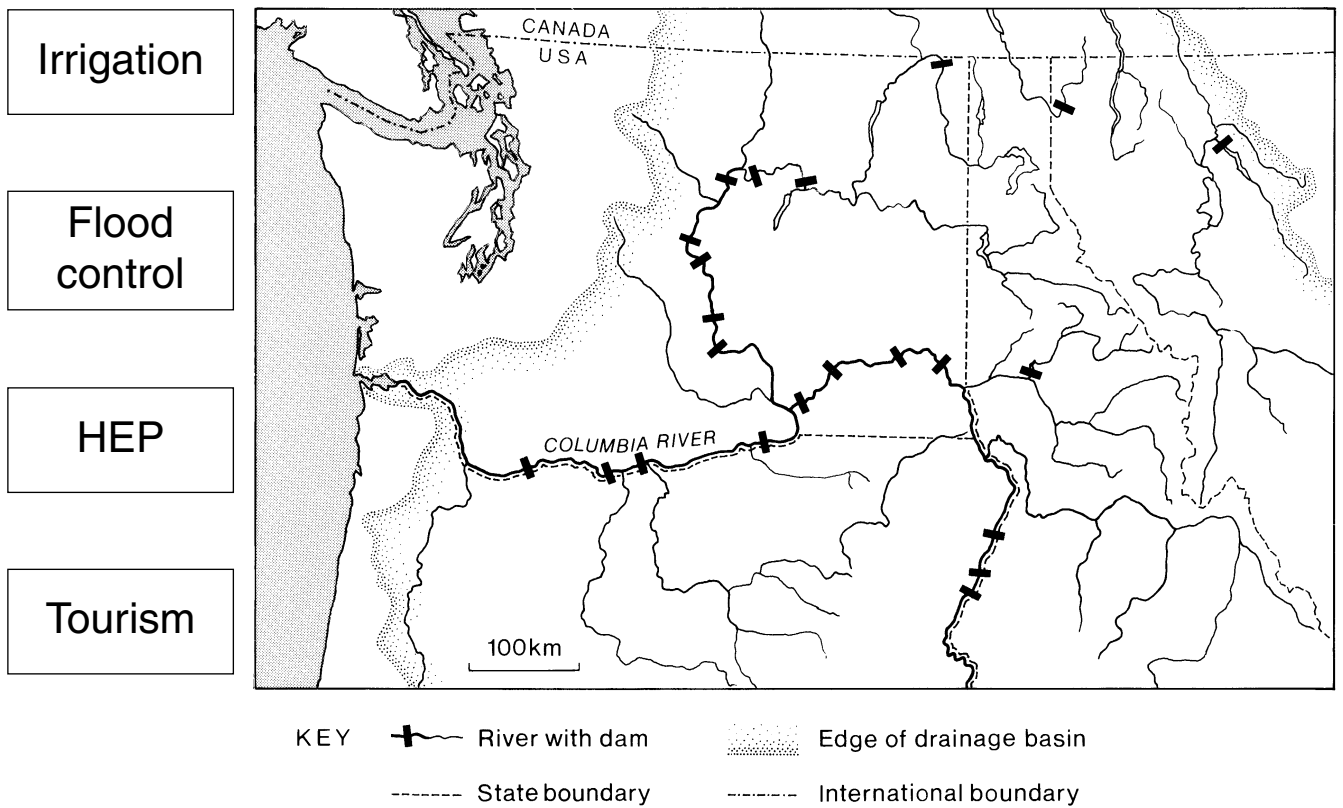
Describe, in detail, the processes taking place at A, B and C.

4

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4. (continued)

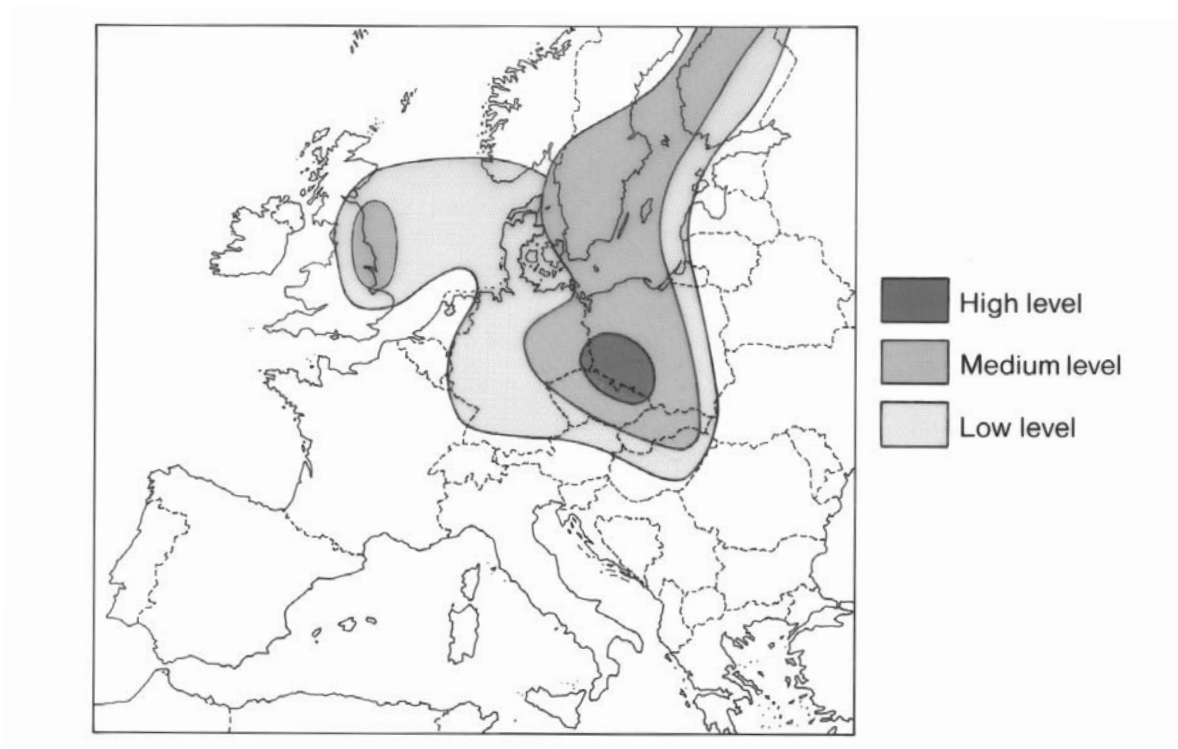
Reference Map Q4C: Columbia River Basin Water Management



(c) Study Reference Map Q4C.

For this river basin, or any other you have studied, **explain** the benefits which a river basin management project can bring to the people and environment of the area.

5
(15)

Question 5: European Environmental Inequalities**Reference Map Q5A: Pattern of Acid Rain in Europe**

Study Reference Map Q5A.

- (a) (i) Describe the variations in levels of acid rain throughout Europe. 3
- (ii) **Explain** how economic activity **and** climate affect levels of acid rain throughout Europe. 4

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5. (continued)

Reference Diagrams Q5B(i): Coastal Areas



Magaluf



Camargue

Reference Diagrams Q5B(ii): Mountain Areas



Zermatt



North West Highlands

(b) Study the photos above.

Reference Diagram Q5B(i) shows two sea/coastal areas.

Reference Diagram Q5B(ii) shows two mountain areas.

For **either** two sea/coastal areas **or** two mountain areas in Europe you have studied, **explain** the differences in their environmental quality.

You may use the examples shown if you wish.

4

(c) Giving examples, describe ways in which countries and people have co-operated to improve the quality of European rivers.

4

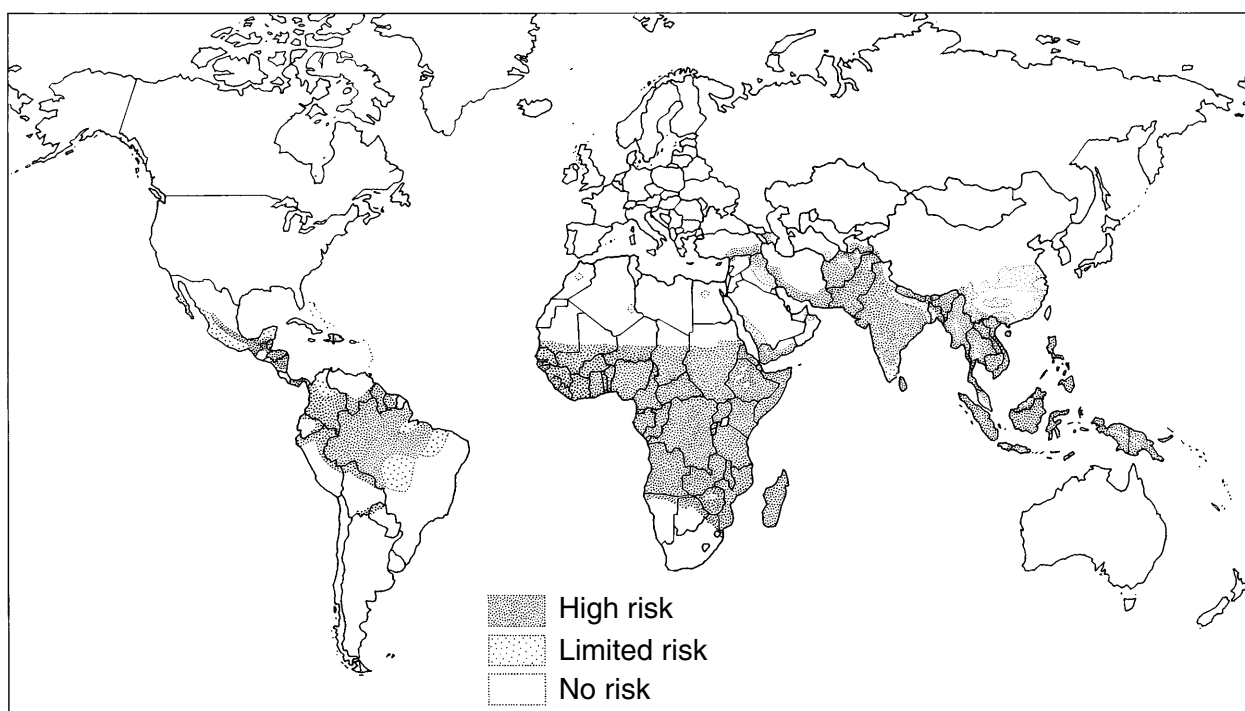
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Question 6: Development and Health

Levels of development within a country can be measured using either social or economic indicators.

- (a) Explain why using one social **or** one economic indicator may not show a country's level of development. 5

Reference Map Q6: Worldwide Malaria Distribution in 2002



- (b) Study Reference Map Q6.

Referring to the map, describe the distribution of malaria throughout the world. 3

- (c) (i) For **either** AIDS, Malaria **or** Heart Disease, describe some of the methods used to control the disease. 4

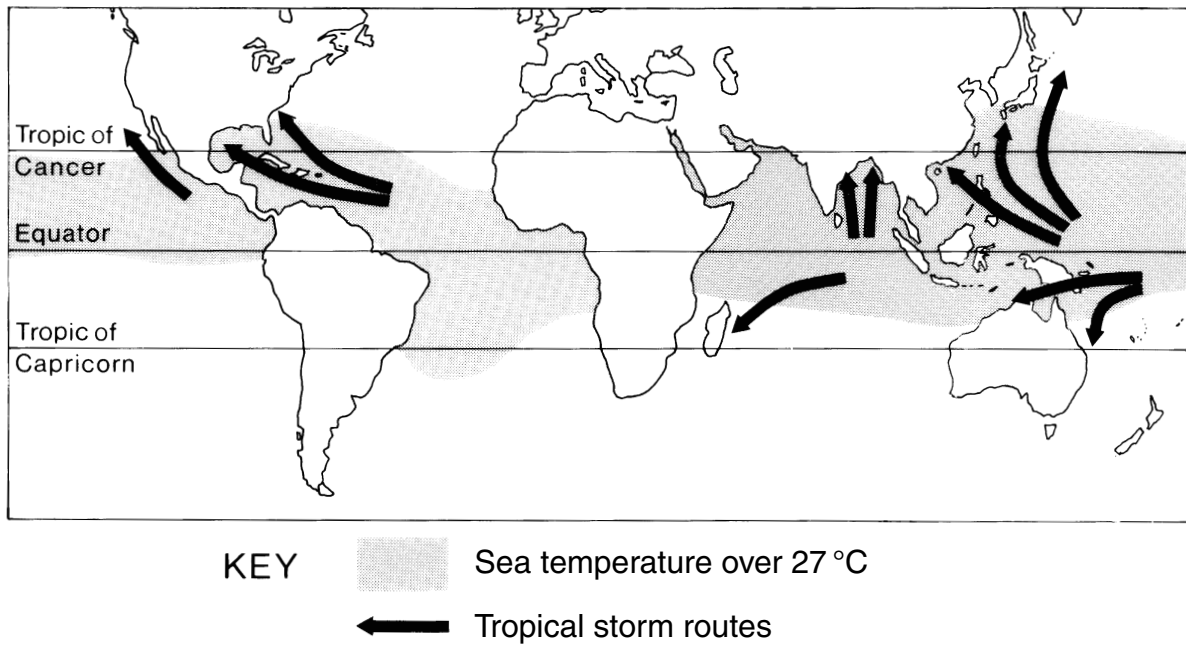
- (ii) How effective have these methods been? 3

(15)

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Question 7: Environmental Hazards

Reference Map Q7A: Tropical Storms



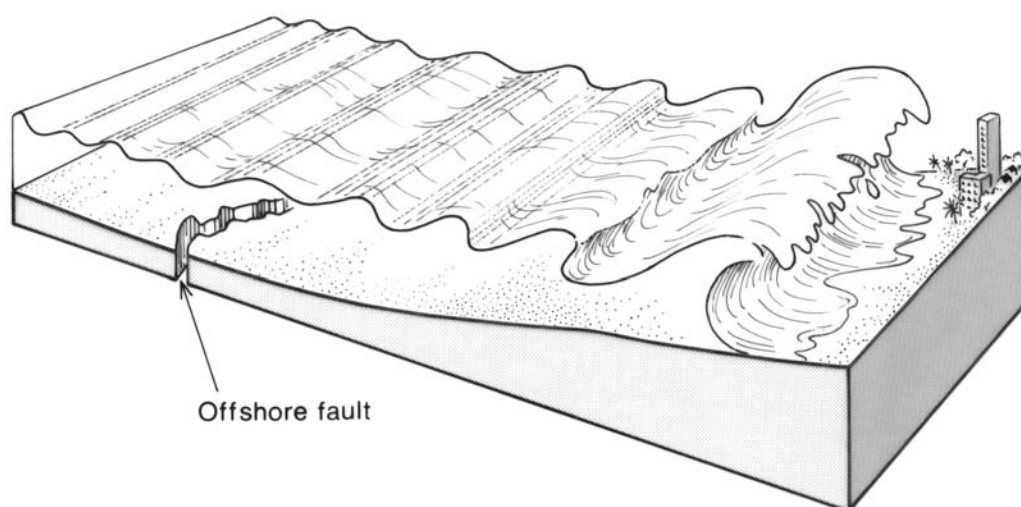
(a) Study Reference Map Q7A.

Using the information shown on the map, **explain**, in detail, the distribution of tropical storms throughout the world.

4

7. (continued)

Reference Diagram Q7B: Boxing Day Tsunami 2004—Indian Ocean



(b) Study Reference Diagram Q7B.

The Boxing Day tsunami was caused by a massive underwater earthquake.

- | | |
|---|-------------|
| (i) Describe the effects of this, or any other earthquake , on the people and surrounding areas. | 4 |
| (ii) For your chosen earthquake, describe the role of aid agencies involved in the rescue operations. | 4 |
| (iii) How effective were their efforts? | 3 |
| | (15) |

[END OF QUESTION PAPER]

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