

X208/201

NATIONAL
QUALIFICATIONS
2008

THURSDAY, 22 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.

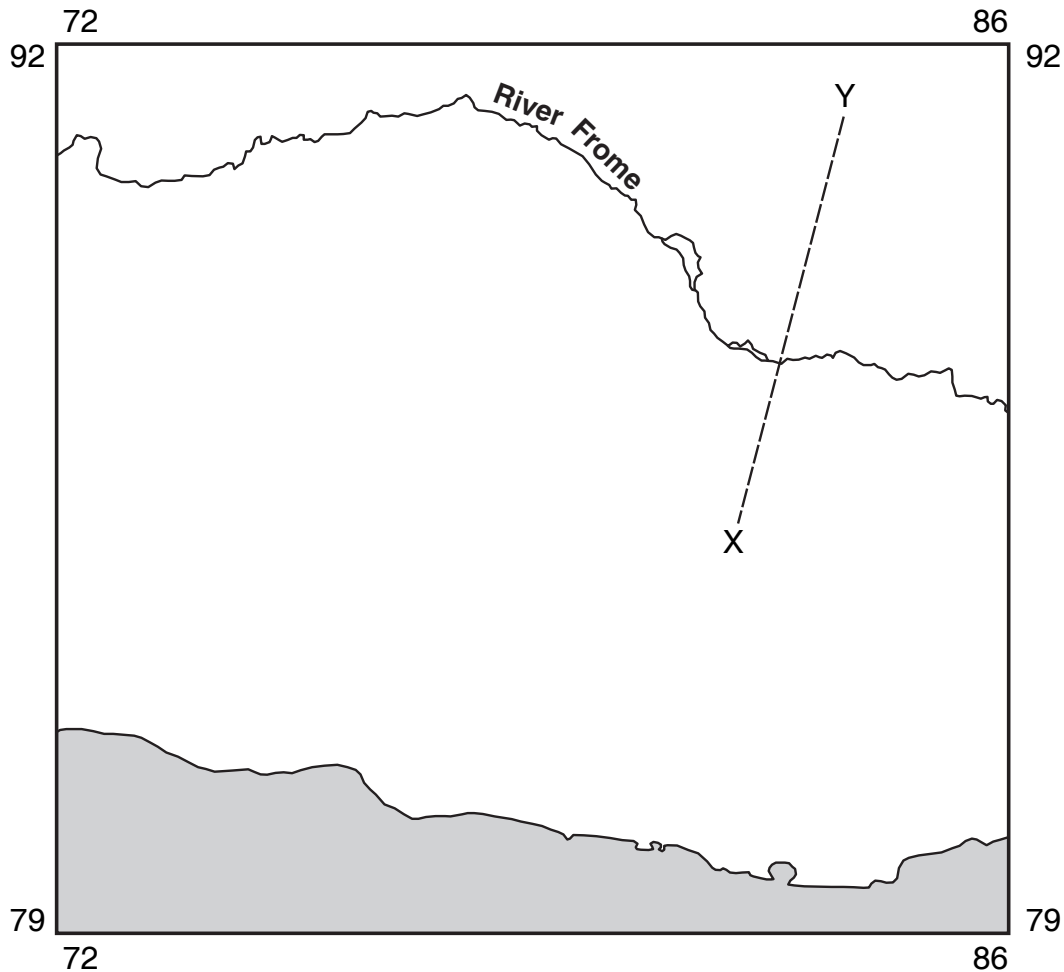


SECTION A

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

Question 1: Physical Environments

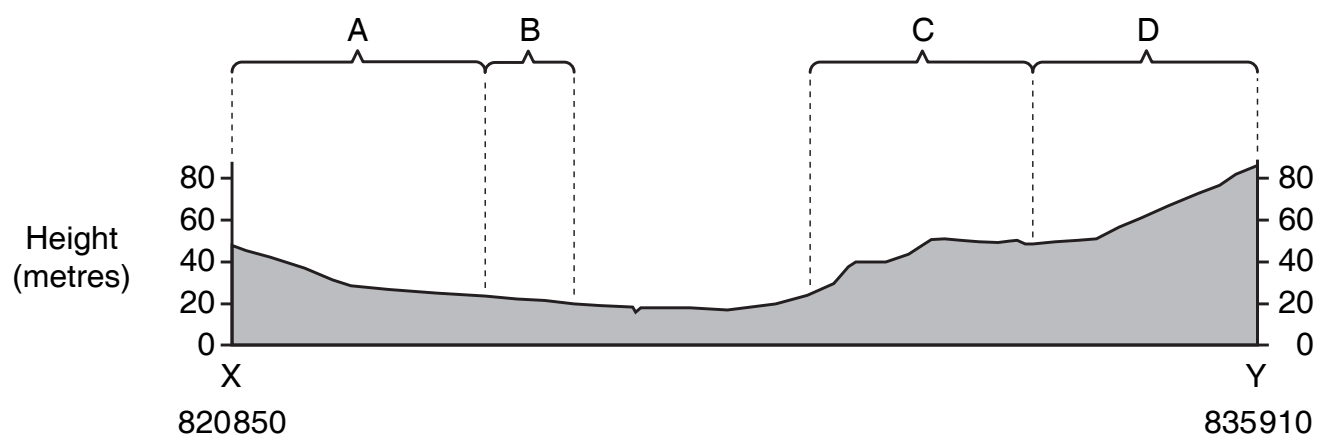
Reference Diagram Q1A: Lulworth/Wool



- (a) Study the Ordnance Survey Map Extract No 1658/194 of the Lulworth/Wool area and Reference Diagram Q1A.
- Choose **either** the physical coastal feature shown in 8279 **or** the physical coastal feature shown in 7780 and explain its formation in detail.
You may wish to use diagrams in your answer. 4
 - Describe the course of the River Frome **and** its valley from 795905 to where it leaves the map at 860867. 4

1. (continued)

Reference Diagram Q1B: Land Use Transect X–Y



(b) Study the Ordnance Survey Map of Wool **and** Reference Diagram Q1B.

- (i) Match the letters shown on the transect X–Y above to the land uses listed below.

Land uses: Industry; Military Training; Farmland; Settlement. **3**

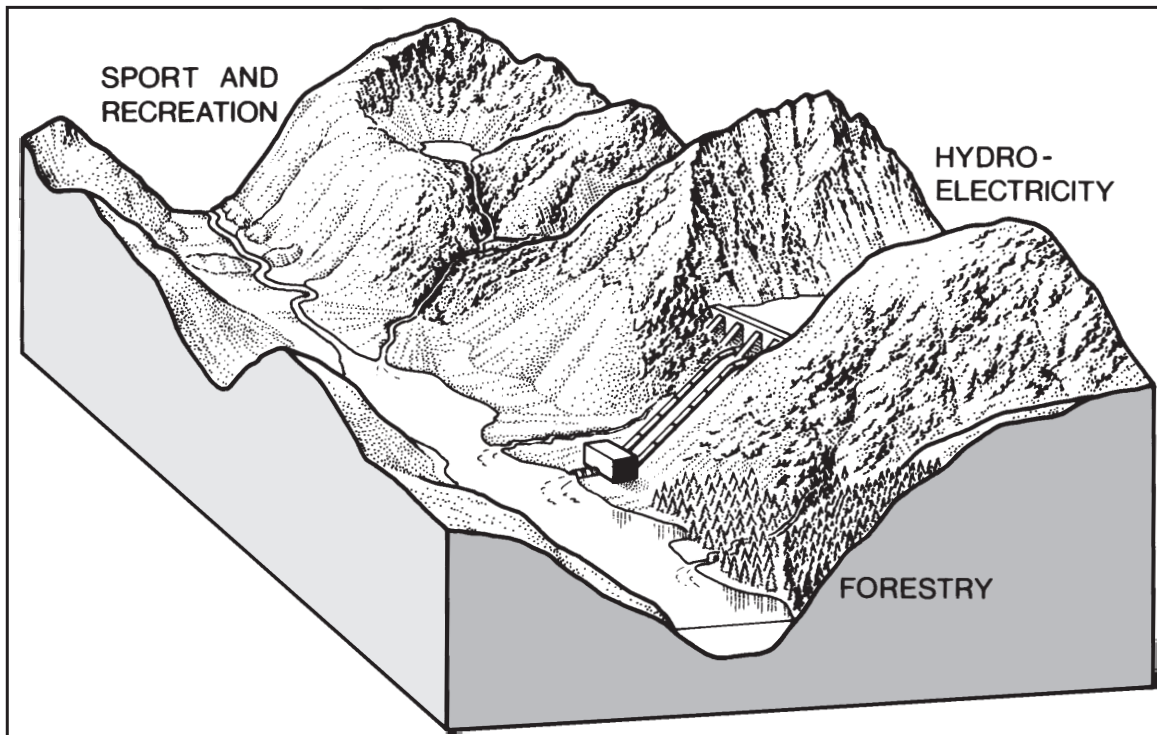
- (ii) To what extent do you agree that military training activities may be in conflict with other land uses in the area of the map extract?

Give reasons to support your answer. **4**

[Turn over

1. (continued)

Reference Diagram Q1C: Highland Landscape



(c) Study Reference Diagram Q1C.

(i) For **one** of the land uses shown, **explain** its economic **and** environmental impact.

6

(ii) Describe strategies which have been used to protect upland environments.

4

(25)

[END OF QUESTION 1]

NOW GO ON TO QUESTION 2

Question 2: Human Environments

Reference Diagram Q2A: World Population Density



Marks

(a) Study Reference Diagram Q2A.

Referring to both physical **and** human factors, **explain** why some areas of the world have a population density of less than 20 persons per square km.

5

[Turn over

2. (continued)

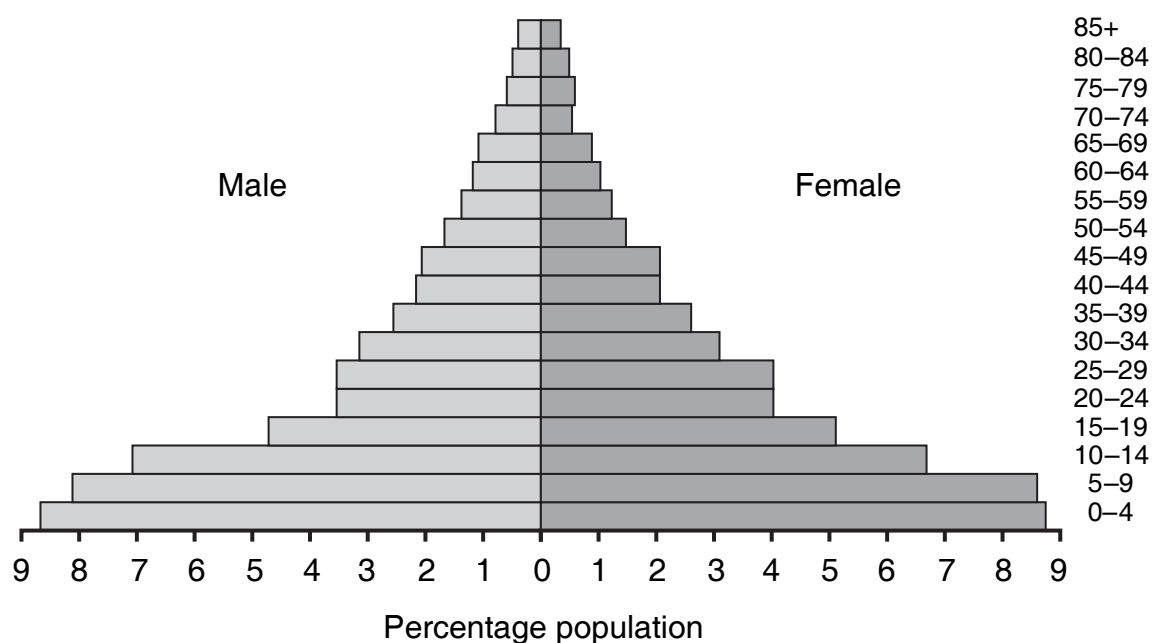
Reference Diagram Q2B: Birth Rates and Life Expectancy

	Birth Rate/000	Life Expectancy
Kenya (K)	29	47
India (I)	24	63
Japan (J)	10	81
Mexico (M)	23	72
Canada (C)	11	80
Nigeria (N)	40	51
Brazil (B)	18	63
Australia (A)	13	80

(b) Study Reference Diagram Q2B.

- (i) Using the data provided in Reference Diagram Q2B, complete the **scattergraph** by plotting the figures for India, Mexico, Nigeria and Australia on **separate Worksheet Q2(b)(i)**. 2
- (ii) Describe **and** explain the relationship between Birth Rate and Life Expectancy. 4

Reference Diagram Q2C: Population Pyramid for Bangladesh, 2005

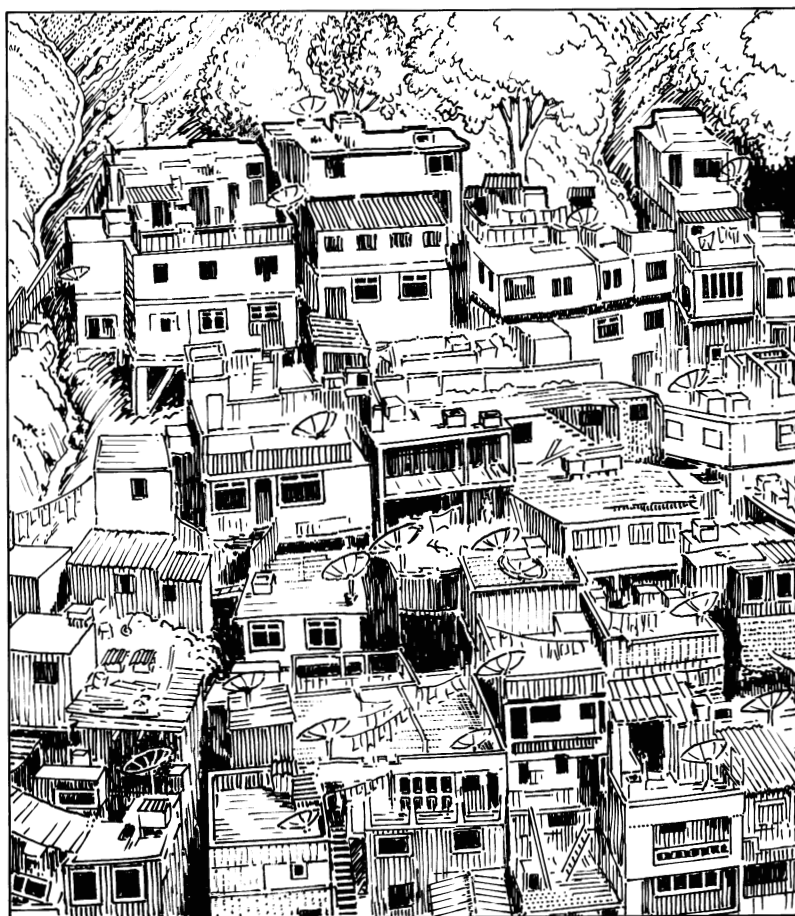


(c) Study Reference Diagram Q2C.

What measures could countries, such as Bangladesh, take to reduce their birth rates? 4

2. (continued)

Reference Diagram Q2D: A Brazilian shanty town



ELDC = Economically less Developed Country

EMDC = Economically More Developed Country

- (d) For a named **ELDC** city you have studied, describe attempts made to improve living conditions in shanty towns.

5

- (e) *“During recent years the populations of many **EMDC** cities have decreased dramatically due to out-migration.”*

Describe ways in which city authorities have attempted to encourage people to **move back** into their city.

5
(25)

[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.

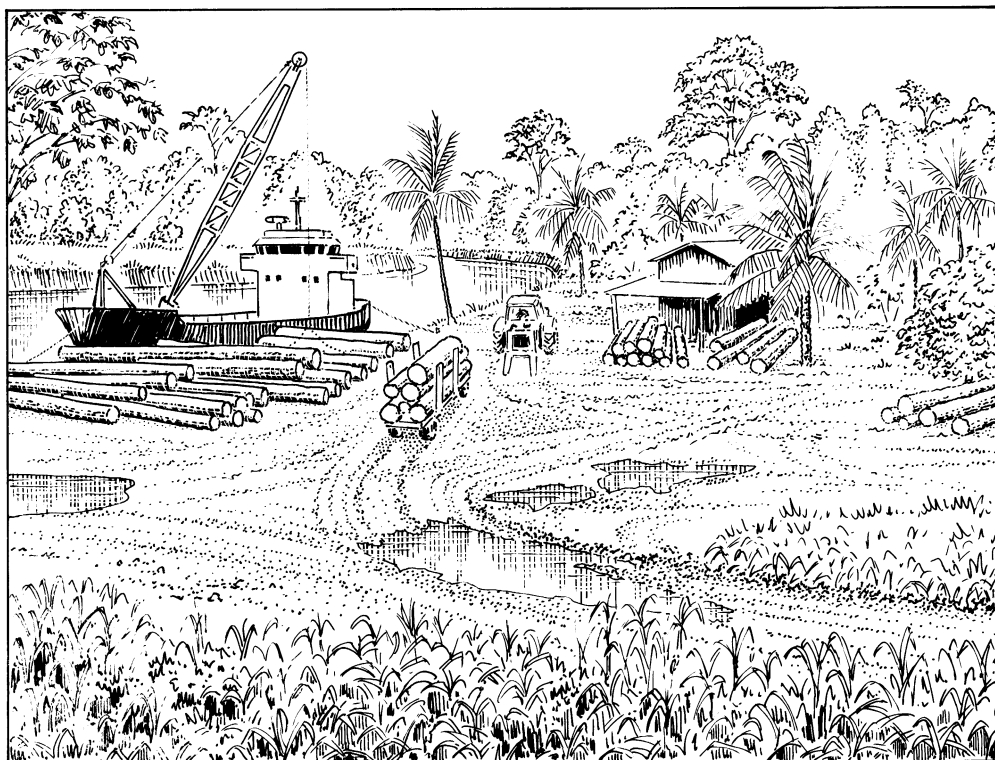
Choose from

- | | | |
|------------|--|------------------|
| Question 3 | Rural Land Degradation | (Pages 10 to 11) |
| Question 4 | River Basin Management | (Pages 12 to 13) |
| Question 5 | European Environmental Inequalities | (Pages 14 to 15) |
| Question 6 | Development and Health | (Page 16) |
| Question 7 | Environmental Hazards | (Pages 17 to 18) |

[Turn over

Question 3: Rural Land Degradation

Reference Diagram Q3A: Logging in Malaysia

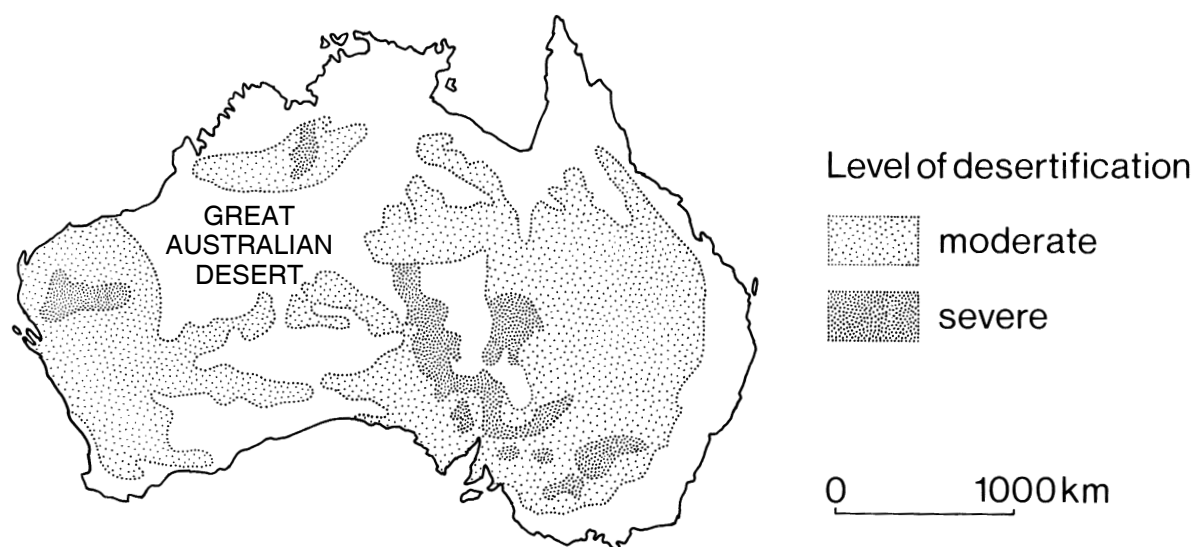


(a) Study Reference Diagram Q3A.

- (i) Describe the **economic** advantages of increased deforestation. 3
- (ii) **Explain** ways in which deforestation affects both people **and** the environment. 4

3. (continued)

Reference Diagram Q3B: Desertification in Australia



(b) Study Reference Diagram Q3B.

(i) **Explain** the physical **or** human causes of desertification.

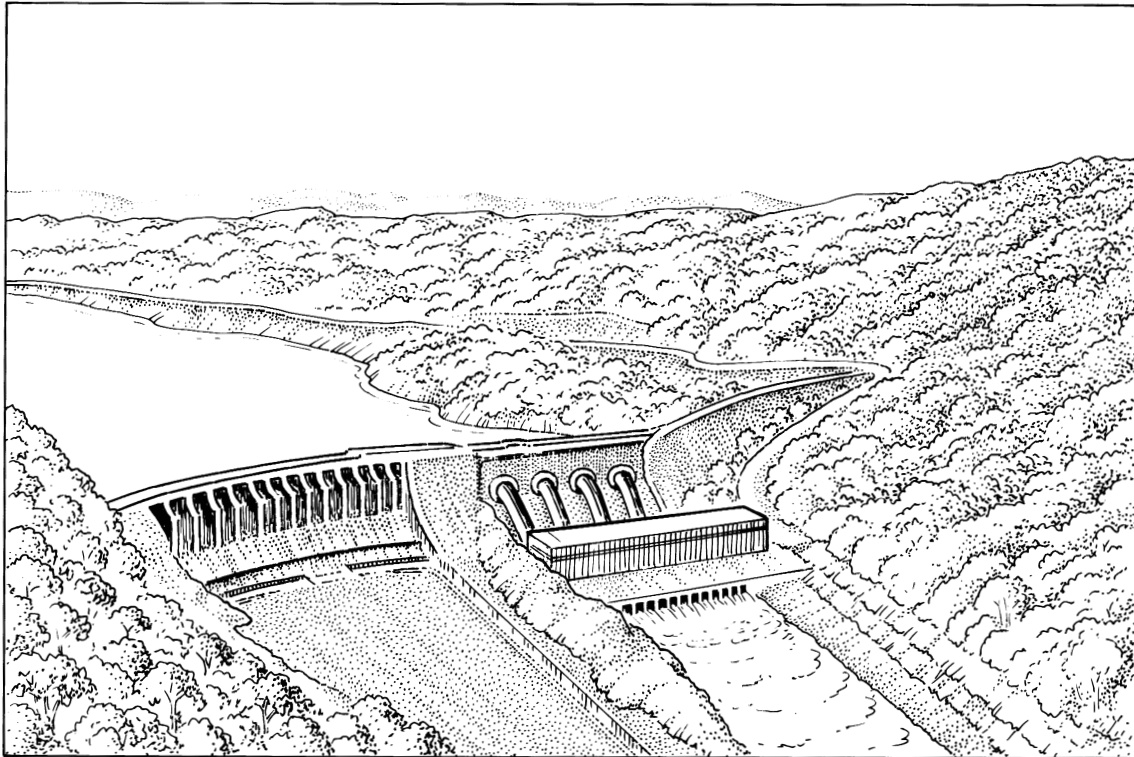
4

(ii) For an arid or semi-arid area you have studied, describe methods used to reduce the desertification process.

4

(15)

[Turn over

Question 4: River Basin Management**Reference Diagram Q4A: The Mepanda Uncua Hydropower Project, Mozambique**

- (a) (i) Study Reference Diagram Q4A.

For this, or any other river basin project you have studied, describe the **physical** factors which could have influenced the location of the dam.

4

- (ii)

**“Local Community wants proposals
for new dam stopped”**

Why do some people object to the building of new dams?

4

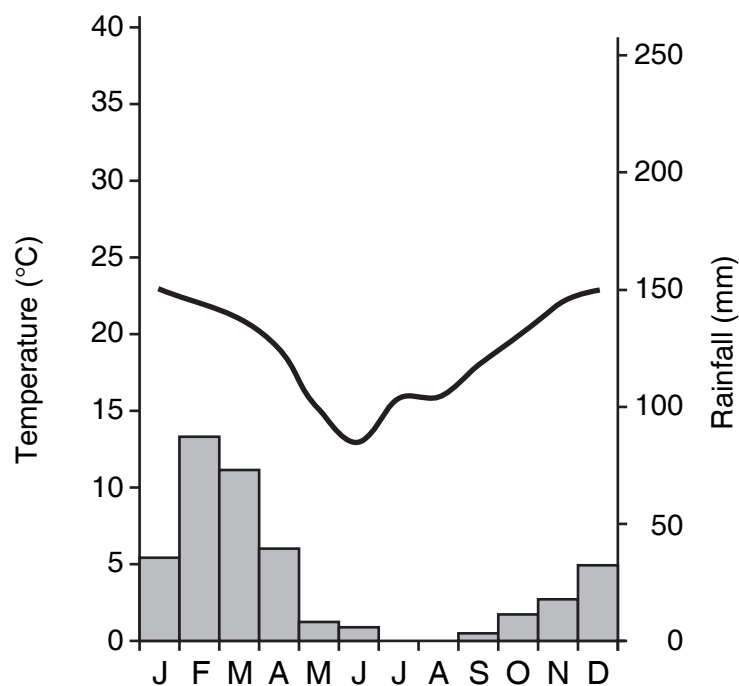
4. (continued)

**Reference Diagram Q4B:
Proposed Okavango Water Pipeline**



Note: * The River Okavango flows from Angola to Botswana

**Reference Diagram Q4C:
Climate Graph—Grootfontein**



Marks

Study Reference Diagrams Q4B and Q4C.

- (b) (i) What benefits could projects such as the proposed Okavango Pipeline bring to Namibia or similar areas?
- (ii) **Explain** why this pipeline might be a source of conflict between Namibia and Botswana.

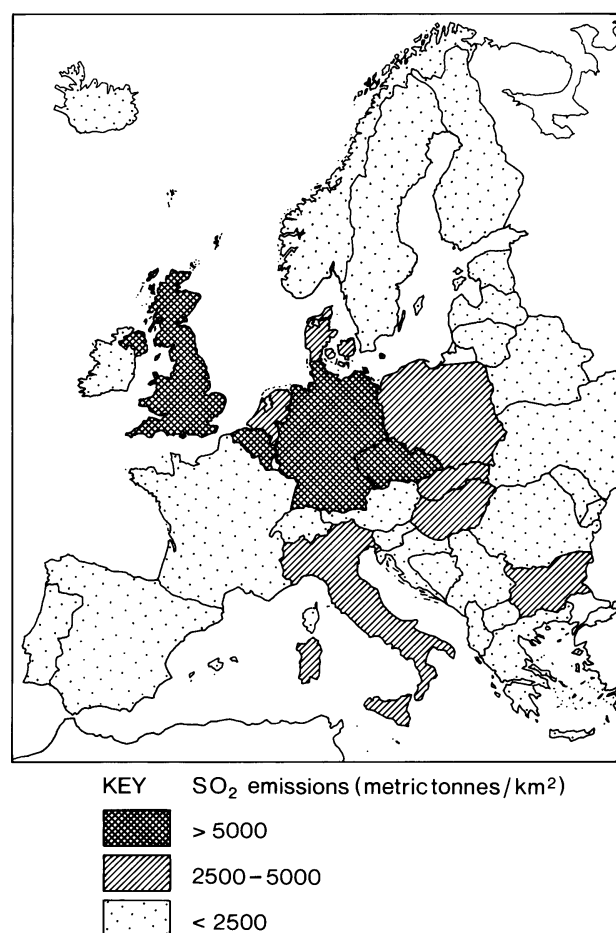
4

3

(15)

Question 5: European Environmental Inequalities

Reference Map Q5A: Sulphur Dioxide (SO₂) Emissions in Europe

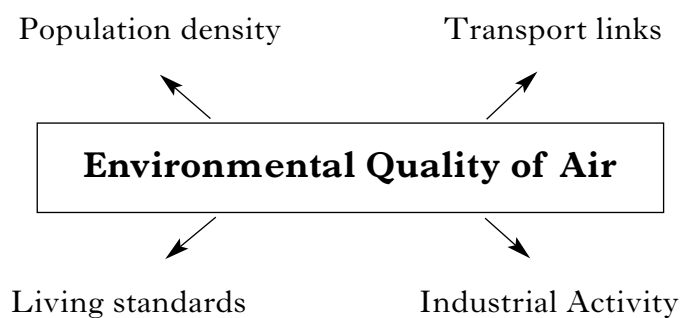


(a) Study Reference Map Q5A.

- (i) Describe the pattern of sulphur dioxide emissions shown on Reference Map Q5A.

4

Reference Diagram Q5B: Factors affecting Environmental Quality of Air



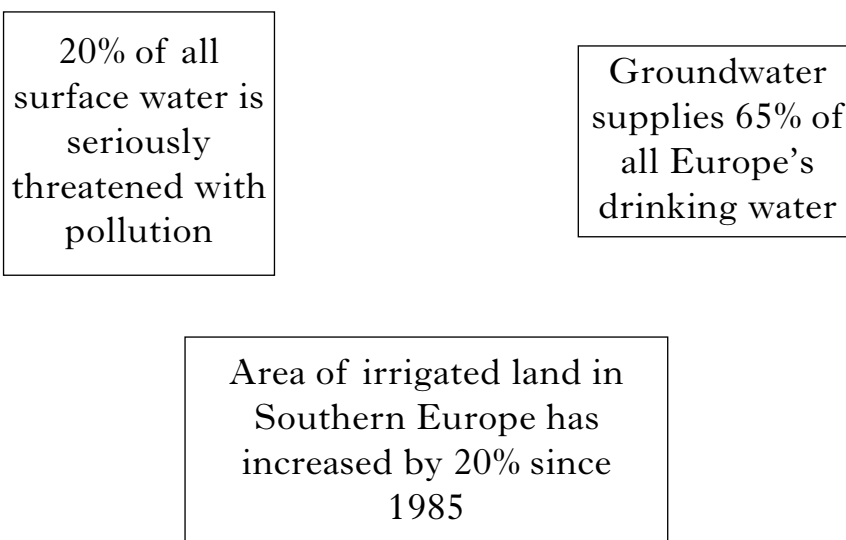
- (ii) Give reasons for the pattern you have described in part (a)(i).

You may refer to the factors shown in Diagram Q5B.

4

5. (continued)

Reference Diagram Q5C: European Water Supply—Key Facts



(b) Study Reference Diagram Q5C.

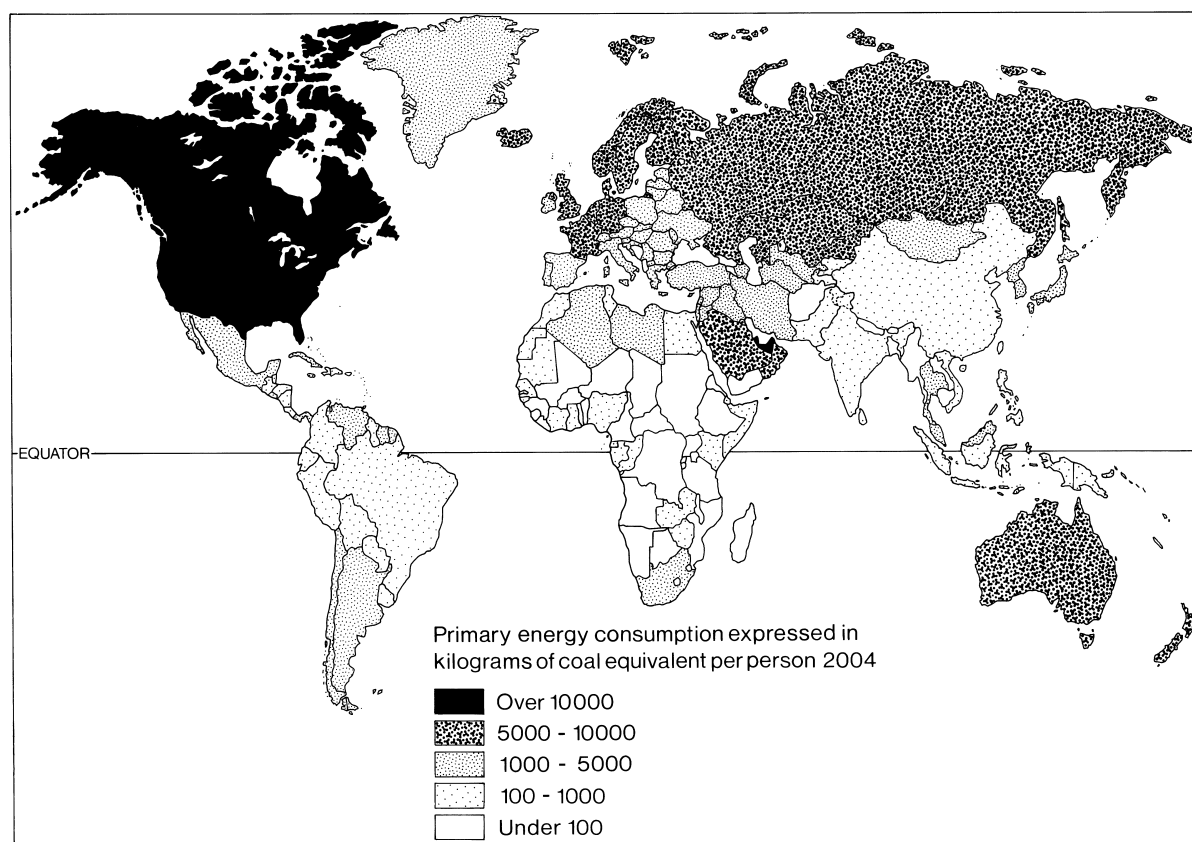
- (i) For any river you have studied **describe** the strategies used to maintain or improve its water quality. 4
- (ii) Comment on how effective these strategies have been. 3

(15)

[Turn over

Question 6: Development and Health

Reference Map Q6A: World Energy Consumption

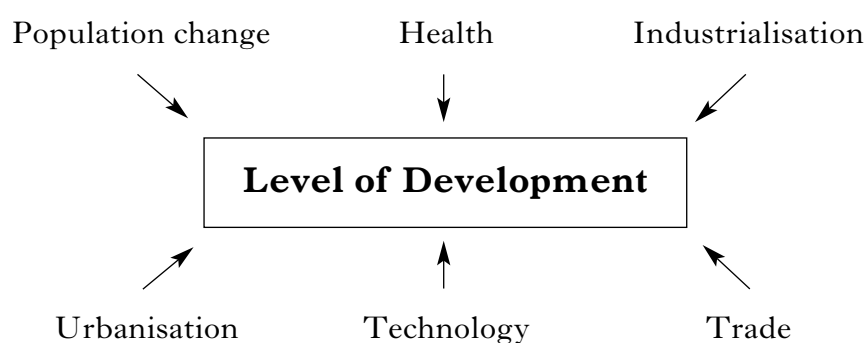


(a) Study Reference Map Q6A.

Describe the pattern of energy consumption.

4

Reference Diagram Q6B: Human Factors affecting Level of Development



(b) Study Reference Diagram Q6B.

How do human factors such as those shown on the diagram affect the level of development of a country?

6

(c) What are the main causes of **either** malaria **or** AIDS?

5

(15)

Question 7: Environmental Hazards**Reference Map Q7A: Pakistan Earthquake, October 2005**

(a) Study Reference Map Q7A.

For this, or any other earthquake you have studied, **explain** the main causes of the earthquake.

3

[Turn over for Questions 7(b) and (c) on Page eighteen]

7. (continued)

Reference Diagram Q7B: Comparison of similar Richter Scale Earthquakes

Pakistan Earthquake

October 2005
 Richter Scale 7.6
 Deaths 79 000
 Injured 75 038

San Francisco Earthquake

October 1989
 Richter Scale 7.1
 Deaths 63
 Injured 3757

(b) Study Reference Diagram Q7B.

Explain why earthquakes of similar strength have different effects on the landscape and population in the areas affected.

5

(c) (i) For a Tropical Storm you have studied, how effective were the warnings given in helping to reduce the impact of the storm?

Give reasons for your answer.

4

(ii) What help was given to the people in the area immediately after the storm in part (c)(i)?

3

(15)

[END OF QUESTION PAPER]

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ACKNOWLEDGEMENTS

Question 2a and 2c—Map and population pyramid Bangladesh taken from the book *The Wider World* by David Waugh. ISBN 0 17 434309 4. Published by Thomas Nelson and Sons Ltd. Reproduced with the permission of Nelson Thornes Ltd from *The New Wider World: Second Edition*, David Waugh, 978-0-7487-7376-3, first published in 2003.

Question 2d—Photo of a Brazilian Shanty Town taken from page 125 of *Geography Matters (Scotland) 1* by John Hopkin. ISBN 0 435 35543 0. Permission is being sought from Sue Cunningham.

Section B Question 3a—Diagram of *Logging in Malaysia* taken from www.sin.org.uk. Reproduced by kind permission of Staffordshire County Council.

Section B Question 4a—Diagram of The Mepanda Uncua Hyropower Project, Mozambique taken from www.utip.org.mz/home/index.htm. Permission is being sought from UTIP.

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2008

THURSDAY, 22 MAY
9.00 AM – 11.00 AM

GEOGRAPHY
INTERMEDIATE 2
Worksheet Q2(b)(i)

Fill in these boxes and read what is printed below.

Full name of centre

Town

Forename(s)

Surname

Date of birth

Day Month Year

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Scottish candidate number

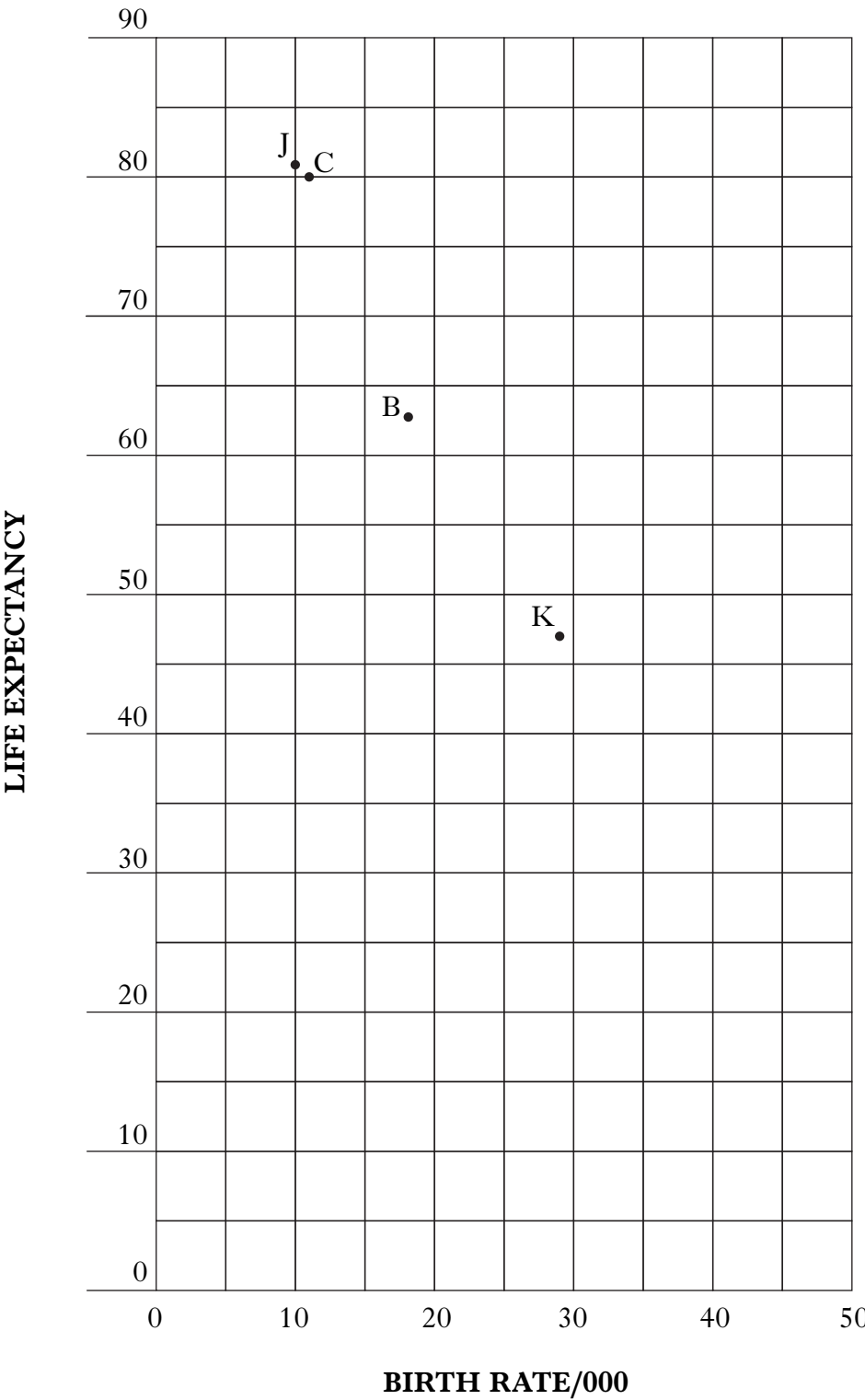
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Number of seat

To be inserted inside the front cover of the candidate's answer book
and returned with it.



SCATTERGRAPH



[END OF WORKSHEET]