X208/11/01

NATIONAL THURSDAY, 30 MAY QUALIFICATIONS 9.00 AM - 11.00 AM 2013 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

Map Q1A: Scenic Areas in the British Isles



(*a*) Look at Map Q1A.

Name:

- (i) coastal area A;
- (ii) area of upland limestone B;
- (iii) area of upland glaciation C.

3

Marks

4

4

1. (continued)

- (*b*) Study the Ordnance Survey Map Extract (No 2005/69).
 - (i) Describe the course of the Glenrosa Water **and** its valley from grid reference 982400 to where it enters Brodick Bay at 012367.
 - (ii) Glen Iorsa (9239) is an example of a U-shaped valley.Explain, with the aid of diagrams, the formation of a U-shaped valley.4
 - (iii) Glen Cloy Farm in square 0035 is a mixed farm.Explain why this area is suitable for mixed farming.

Diagram Q1B: Newspaper Headline

Arran Most Forested Island in Scotland

(c) Look at Diagram Q1B.

For Arran or any other area you have studied, describe the economic **and** environmental impact of commercial forestry.

(d) For a **coastal** area you have studied, describe measures taken to protect the environment.

5 (25)

5

[END OF QUESTION 1]

NOW GO ON TO QUESTION 2

[Turn over

Question 2: Human Environments



Diagram Q2A: Projected Urban Growth

(a) Look at Diagram Q2A.

- (i) Describe the trends shown on the graph.
- (ii) **Explain** why some people in **developed** countries move from urban to rural areas.

3

4

2. (continued)

Year	1950	1960	1970	1980	1990	2000	2010
Birth Rate per 1000	27.8	24.6	15.6	14.8	13.8	10.7	7.7

Diagram Q2B: Birth Rate in Brazil 1950-2010

(b) Look at Diagram Q2B.

Give reasons why the birth rate has decreased in developing countries such as Brazil.

Diagram Q2C: Kibera Slum, Nairobi, Kenya



(c) Look at Diagram Q2C.

For Nairobi, or any other developing city you have studied, describe the measures taken to improve the quality of life in shanty towns such as Kibera.

5

[Turn over

4

2. (continued)





(d) Study Diagram Q2D.Why are many large companies choosing to build factories in Eastern Asia?



Diagram Q2E: EU Farming Policies

(e) Study Diagram Q2E.

Choose any **two** EU policies shown in the diagram above and **explain** why they are necessary.

(25)

[END OF SECTION A]

NOW TURN TO SECTION B AND ANSWER TWO QUESTIONS

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 11)
Question 5	European Environmental Inequalities	(Page 12)
Question 6	Development and Health	(Page 13)
Question 7	Environmental Hazards	(Page 14)

6

SECTION B

Question 3: Rural Land Degradation

Diagram Q3A: Factors Leading to Desertification

Human Factors	Physical Factors
Population density	Climate
Farming systems	Vegetation
	Soils and Relief

Explain how human **and** physical factors can lead to desertification. *(a)*





(b) Study Map Q3B.

people **and** the environment.

(i)	Describe the changes in forest cover shown on the map.	4
(ii)	For an area you have studied, explain the effects of deforestation on the	
	people and the environment.	5

(15)



Diagram Q4A: Model Drainage Basins

(a) Study Diagram Q4A.

Which of the sites, A, B or C, would be most suitable for a water control project? Give reasons for your answer.



Diagram Q4B: The River Yobe Basin, Nigeria





(b) Study diagrams Q4B and Q4C

Explain why demand for water is high in the River Yobe basin.5

(c) For a water control project you have studied, describe the economic **and** environmental benefits.

6 (15)

[Turn over

Question 5: European Environmental Inequalities



Map Q5A: Sulphur Dioxide (SO₂) Emissions in Europe

(*a*) Look at Map Q5A.

	Explain why some countries have more air pollution than others.				
(b)	(i)	For any two rivers you have studied, explain the differences in their environmental quality.	6		
	(ii)	Describe ways in which countries can improve the quality of their river water.	4		
			(15)		

Economic Indicators	Social Indicators
Energy used per person	Population per doctor
Gross National Income (GNI) per person	Calories per person per day
Percentage population employed in agriculture	Percentage adult literacy

Diagram Q6A: Development Indicators

(a) Study Diagram Q6A.

Choose one economic indicator **and** one social indicator.

Explain how each of these can show a country's level of development.

Map Q6B: World Population Change (2000–2010)



(b) Study Map Q6B

Explain how rapid population growth can affect a country's level of development. **5**

- (c) For **either** AIDS **or** Malaria describe:
 - (i) the methods which have been used to control the disease;
 - (ii) the effectiveness of these methods.

6

(15)

[Turn over for Question 7 on Page fourteen

4

Page thirteen

Diagram Q7A: Hurricane Irene, August 2011



(a) Study Diagram Q7A.

Explain the causes of tropical storms.

Diagram Q7B: Icelandic Eruption 2010



(b) Study Diagram Q7B.

For the Icelandic eruption, or any other volcanic eruption you have studied, describe the effects of the eruption on the people **and** the surrounding landscape.

(c) For an earthquake **or** volcanic eruption which you have studied, **explain** the importance of short **and** long-term aid.

5 (15)

6

[END OF QUESTION PAPER]

4

Page fourteen

[BLANK PAGE]

[BLANK PAGE]