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

Diagram Q1A: Cross-section from 840880 to 880870

(a) Study Diagram Q1A and the Ordnance Survey Map Extract (No 2111/OL30).

Identify features A–D shown on the cross-section.

Choose from:

- minor road
- river
- woodland
- swallow hole
- Pennine Way.

(b) Study the Ordnance Survey Map Extract (No 2111/OL30).

At grid reference 873904 there is an ox-bow lake. Using diagrams, explain the formation of an ox-bow lake.
(c) Study Diagram Q1B and the Ordnance Survey Map Extract (No 2111/OL30).

The Pennine Way attracts a large number of walkers each year.

Using map evidence, describe the advantages and disadvantages for walkers along this section of the Pennine Way.
1. (continued)

Diagram Q1C: Upland Land Use

- Tourism
- Farming
- Forestry
- Leisure and Recreation
- Water Storage

SELECTED LAND USES IN UPLAND AREAS

(d) Study Diagram Q1C.

(i) Explain conflicts which could take place between these activities.  

(ii) For any upland area you have studied describe ways in which public and voluntary organisations attempt to manage these conflicts.  

[END OF QUESTION 1]

NOW GO ON TO QUESTION 2
Question 2: Human Environments

Map Q2A: World Population Density

(a) Study Map Q2A.

Referring to both human and physical factors, **explain** why some countries have a high population density.

6
Diagram Q2B: Population Structure for China 1950 and 2050 (Projected)

(b) Study Diagram Q2B.

Describe, in detail, the changes shown in population structure from 1950 to 2050.  

Diagram Q2C: Transport Problems in Cities

(c) Look at Diagram Q2C.

For a named city you have studied:

(i) describe methods which have been used to reduce traffic congestion;

(ii) comment on the effectiveness of these methods.
2. (continued)

Diagram Q2D: Newspaper Headline

Farm Diversification
Many farmers now make money in other ways.

(d) Look at Diagram Q2D.
Describe ways that farmers can diversify to make extra income.

Diagram Q2E: Selected Industrial Location Factors

(e) Look at Diagram Q2E.
Explain how these factors have led to changes in industrial location.

[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  (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 to 17)
Question 7  Environmental Hazards  (Page 18)
(a) Look at Diagram Q3A.

For Brazil, or any other area you have studied, explain the main causes of deforestation.
Diagram Q3B: Newspaper Headline

“168 COUNTRIES WORLDWIDE ARE NOW AFFECTED BY LACK OF RAINFALL, ARID CONDITIONS AND INCREASING PROBLEMS CAUSED BY DESERTIFICATION”

(b) Look at Diagram Q3B.

(i) For a named area you have studied, describe the effects of desertification on the people and the landscape. 5

(ii) Describe, in detail, methods which may be used to reduce the desertification process. 5

(15)
Question 4: River Basin Management

Diagram Q4A: Factors Affecting Demand for Water in a River Basin

(a) Study Diagram Q4A.

For a named river basin you have studied, describe, in detail, the different ways in which the water is used.
(b) Study Map Q4B.

For this, or any other river basin you have studied:

(i) describe advantages of the project;  
(ii) explain why some people may object to the project.
Question 5: European Environmental Inequalities

Diagram Q5A: Coastal Area in Europe

(a) Study Diagram Q5A.

Explain ways in which farming and tourism can pollute coastal areas.  

(b) For any two rivers you have studied, explain the differences in their environmental quality.
Diagram Q5B: Air Pollution in Europe

(c) Look at Diagram Q5B.

Describe methods used by European countries to reduce the amount of air pollution. 4

(15)
Question 6: Development and Health

Map Q6A: Selected Problems Affecting African Countries

(a) Study Map Q6A above.

For Africa, or any other area you have studied, explain the physical and human factors which can affect levels of development.
(b) Study Diagram Q6B above.

For either heart disease OR AIDS:

(i) **explain** the causes of the disease;  

(ii) **describe** the methods used to control this disease.
Question 7: Environmental Hazards

Diagram Q7A: Tectonic Plate Boundaries

(a) Study Diagram Q7A.

**Explain** why volcanic eruptions are common along plate boundaries.

Map Q7B: Pakistan Earthquake 2013

(b) Look at Map Q7B.

For a **named** earthquake you have studied:

(i) **describe**, in detail, the impact on the people and the landscape;

(ii) **explain** the importance of short-term and long-term aid to the affected area.

[END OF QUESTION PAPER]
ACKNOWLEDGEMENTS

Section B Diagram Q3A – Frontpage/shutterstock.com
Section B Diagram Q5B – manfredxy/shutterstock.com
ORDNANCE SURVEY MAP

Note: The colours used in the printing of this map extract are indicated in the four little boxes at the top of the map extract. Each box should contain a colour; if any does not, the map is incomplete and should be returned to the Invigilator.