Total marks — 60

SECTION 1 — PHYSICAL ENVIRONMENTS — 20 marks
Attempt EITHER question 1 OR question 2. ALSO attempt questions 3, 4, and 5.

SECTION 2 — HUMAN ENVIRONMENTS — 20 marks
Attempt questions 6, 7 and 8

SECTION 3 — GLOBAL ISSUES — 20 marks
Attempt any TWO of the following
Question 9 — Climate Change
Question 10 — Impact of Human Activity on the Natural Environment
Question 11 — Environmental Hazards
Question 12 — Trade and Globalisation
Question 13 — Tourism
Question 14 — Health

Credit will always be given for appropriately labelled sketch maps and diagrams.
Write your answers clearly in the answer booklet provided. In the answer booklet you must clearly identify the question number you are attempting.
Use blue or black ink.
Before leaving the examination room you must give your answer booklet to the Invigilator; if you do not, you may lose all the marks for this paper.
Question 1

(a) Study the Ordnance Survey Map Extract (Item A) of the Brecon Beacons area.
   Match these glaciated features with the correct grid references.
   Features: pyramidal peak; corrie; U-shaped valley
   Choose from grid references: 800217, 927226, 012216, 946178.  

(b) Explain the formation of a U-shaped valley.
   You may use a diagram(s) in your answer.
Question 2

(a) Study the Ordnance Survey Map Extract (Item A) of the Brecon Beacons area.
   Match these upland limestone features with the correct grid references.
   Features: caves; swallow hole; intermittent drainage
   Choose from grid references: 891161, 837160, 823183, 966146. 3

(b) Explain the formation of a limestone cave/cavern.
   You may use a diagram(s) in your answer. 4

NOW ANSWER QUESTIONS 3, 4 and 5

[Turn over]
Study the Ordnance Survey Map Extract (Item A) of the Brecon Beacons area and find the cross-section X–Y shown on Diagram Q3 above.

Use the information in the OS map to match the letters A to C with the correct features, choosing from the features below.

- Afon Mellte (river)
- A4059
- Minor road
- Coniferous woodland
Study the Ordnance Survey Map Extract (Item A) of the Brecon Beacons area and Diagram Q4 above.

Choose **two** different land uses from the list shown below.

- Forestry
- Recreation and Tourism
- Farming
- Industry
- Water storage and supply
- Renewable Energy

Using map evidence, **explain** how the area shown on the map extract is suitable for your **two chosen** land uses.
Question 5

Diagram Q5A: Actual weather conditions noon Dec 24th 2014
Study Diagrams Q5A and Q5B

Which weather chart, X or Y, is more likely to show the weather conditions being experienced in Britain on December 24th 2014?

Give reasons for your choice.
(a) Study Diagram Q6A and the Ordnance Survey Map Extract (Item B) of the Sunderland area.

A group of National 5 Geography pupils are doing a fieldwork study of urban land use for their assignment.

Use map evidence to show why they have identified Area X as the Inner City and Area Y as an area of modern suburbs. You must refer to both areas in your answer.
(b) Study Diagram Q6B and the Ordnance Survey Map Extract (Item B) of the Sunderland area.
Identify features A, B and C.
Choose from the list given below.
• Ayres Quay
• Docks
• Museum
• Football Stadium
Look at Diagram Q7.

Give reasons for falling worldwide death rates.
Look at Diagram Q8.
Choose two of the factors shown on Diagram Q8.
For the two you have chosen, describe in detail how recent developments in farming affect the people and the landscape in developed countries.
SECTION 3 — GLOBAL ISSUES — 20 marks
Attempt any TWO questions

Question 9 — Climate Change (Page 13)
Question 10 — Impact of Human Activity on the Natural Environment (Page 14)
Question 11 — Environmental Hazards (Page 16)
Question 12 — Trade and Globalisation (Page 18)
Question 13 — Tourism (Page 19)
Question 14 — Health (Page 20)
Question 9 — Climate Change

Diagram Q9A: Average global temperature changes (°C) 1884–2010

(a) Study Diagram Q9A.
Describe, in detail, the changes in average global temperatures.

Diagram Q9B: climate change

(b) Look at Diagram Q9B.
Describe, in detail, different ways climate change can be managed.
Question 10 — Impact of Human Activity on the Natural Environment

Diagram Q10: Recent Deforestation Rates Worldwide

(a) Study Diagram Q10.

Describe, in detail, deforestation rates worldwide.  

(b) Explain the management strategies which can be used to minimise the impact of human activity in the tundra.
(a) Study Diagram Q11A.

Describe, in detail, the changes in the number of volcanic eruptions between 1910–2010.
After nearly 20 years of inactivity, the Pico de Fogo awakened with a violent eruption on the 23rd of November 2014.

(b) Look at Diagram Q11B.

For a volcanic eruption you have studied, explain, in detail, the impacts of the eruption on people and the landscape.
Questions 12 — Trade and Globalisation

Diagram Q12A: UK Exports 2001–2013

Key
- % goods exports to EU27
- % goods exports to Rest of the World

(a) Study Diagram Q12A.
Describe, in detail, the changes in UK exports between 2001–2013.

(b) Diagram Q12B: Quote from a Government official

“Membership of Trade Alliances such as the EU brings advantages and disadvantages”.

Look at Diagram Q12B.
Explain the advantages and disadvantages of belonging to a trade alliance.
Question 13 — Tourism


(a) Study Diagram Q13.

**Describe, in detail,** the projected changes in international tourism expenditure between 2013 and 2016.

(b) For a named area you have studied, **explain** the ways in which the impact of tourism can be managed.

[Turn over for next question]
Question Q14 — Health


(a) Study Diagram Q14.
Describe, in detail, the changes in Ebola cases in the three African countries. 4

(b) Explain the causes of either heart disease or cancer or asthma. 6

[END OF QUESTION PAPER]

ACKNOWLEDGEMENTS

Section 1 Question 4 - phovoir/shutterstock.com
Diagram Q6B – Aerial photograph is taken from www.sunderland.ac.uk/images/Sunderland_City_Aerial.jpg.
SQA has made every effort to trace the owners of copyright materials reproduced in this question paper, and seek permissions. We will be happy to incorporate any missing acknowledgements. Please contact Janine.Anderson@sqa.org.uk.

Section 3 Question 9B - Kostsov/shutterstock.com
Section 3 Question 11B - LivetImages/shutterstock.com
The colours used in the printing of these map extracts 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.
The colours used in the printing of these map extracts 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.