Total marks — 60

SECTION 1 — PHYSICAL ENVIRONMENTS — 20 marks
Attempt EITHER Question 1 OR Question 2. ALSO attempt Questions 3 and 4.

SECTION 2 — HUMAN ENVIRONMENTS — 20 marks
Attempt Questions 5, 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 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: Glaciated Upland

Diagram Q1: Glacial contour patterns

(a) Match the letters on Diagram Q1 with the correct glacial features below. 
Choose from:

U-shaped valley   corrie   pyramidal peak   arête

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

(c) Explain different ways in which people use glaciated landscapes.

NOW ATTEMPT QUESTIONS 3 AND 4
(a) Match the letters on Diagram Q2 with the correct limestone features below. Choose from:

- stalactite
- stalagmite
- clint
- grike
- joint
- bedding plane

(b) **Explain** the formation of a limestone pavement. You may use a diagram(s) in your answer.

(c) **Explain** different ways in which people use limestone landscapes.
Question 3

Diagram Q3: Synoptic chart for 12.00 on 28th December 2014

Study Diagram Q3.

Give reasons for the weather conditions at Bathgate on 28th December 2014.

Question 4

Anticyclones bring different weather conditions throughout the year.

Describe the benefits and problems of an anticyclone in summer.
Question 5

Study the Ordnance Survey map extract (Item A) of the Edinburgh area. Match the grid references with the correct urban land use zone.

Grid references: 2568, 2573, 2671

Choose from the urban land use zones below.
- CBD
- new industry
- new housing
- old housing

Question 6

Study the Ordnance Survey map extract (Item A) of the Edinburgh area. There is a plan to build new housing in grid square 2667. Using map evidence, explain why this area is suitable for new housing.
Look at Diagram Q7.

**Explain** why there are areas of different population density across the world.

Your answer should refer to both physical and human factors.
Look at Diagram Q8.

Referring to an area you have studied, describe different ways shanty towns are being improved.
SECTION 3 — GLOBAL ISSUES — 20 marks

Attempt any TWO questions

Question 9 — Climate Change (Page 09)
Question 10 — Impact of Human Activity on the Natural Environment (Page 10)
Question 11 — Environmental Hazards (Page 11)
Question 12 — Trade and Globalisation (Page 12)
Question 13 — Tourism (Page 13)
Question 14 — Health (Page 14)
Question 9 — Climate Change


(a) Study Diagram Q9A.
Describe, in detail, average global temperature change from 1996 to 2016. 4

Diagram Q9B: Newspaper Headline

The Daily Times

CLIMATE EXPERTS PREDICT WE COULD EASILY SEE A GLOBAL TEMPERATURE RISE OF MORE THAN 4°C

(b) Look at Diagram Q9B.
Explain, in detail, strategies used to minimise future climate change. 6

[Turn over
(a) Study Diagram Q10.

Use the information in Diagram Q10 to describe, in detail, the differences between the two climates shown.

(b) For a named tundra or equatorial area which you have studied, explain the impact of human activity on people and the environment.

4

6
Question 11 — Environmental Hazards

Diagram Q11A: World Distribution of Tropical Storms

(a) Study Diagram Q11A.

Describe, in detail, the distribution of tropical storms.

Diagram Q11B: A Tropical Storm hits coastal town

(b) Look at Diagram Q11B.

For a tropical storm you have studied, explain in detail the impacts of the storm on people and the environment.
Question 12 — Trade and Globalisation

Diagram Q12A: Percentage Share of World Trade 1995–2010

(a) Study Diagram Q12A.

Describe, in detail, the changes in percentage share of world trade from 1995–2010.

(b) Look at Diagram Q12B.

Explain, in detail, the causes of inequalities in trade between developed and developing countries.
### Question 13 — Tourism

#### Diagram Q13A: Origin of Tourists Visiting Scotland (thousands)

<table>
<thead>
<tr>
<th>COUNTRY</th>
<th>2006</th>
<th>2010</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>475</td>
<td>275</td>
<td>418</td>
</tr>
<tr>
<td>Germany</td>
<td>278</td>
<td>253</td>
<td>343</td>
</tr>
<tr>
<td>France</td>
<td>229</td>
<td>196</td>
<td>190</td>
</tr>
<tr>
<td>Australia</td>
<td>133</td>
<td>147</td>
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<td>Netherlands</td>
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<td>135</td>
<td>149</td>
</tr>
<tr>
<td>Canada</td>
<td>161</td>
<td>98</td>
<td>122</td>
</tr>
<tr>
<td>Ireland</td>
<td>224</td>
<td>185</td>
<td>113</td>
</tr>
<tr>
<td>Spain</td>
<td>142</td>
<td>139</td>
<td>101</td>
</tr>
<tr>
<td>Rest of World</td>
<td>976</td>
<td>913</td>
<td>1,106</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>2,732</td>
<td>2,341</td>
<td>2,700</td>
</tr>
</tbody>
</table>

(a) Study Diagram Q13A.

Describe, in detail, the changes in the number of tourists visiting Scotland from different countries between 2006 and 2014.

(b) Look at Diagram Q13B.

Give reasons for the increase in mass tourism.

**Diagram Q13B: Quote from a tour operator**

“Mass tourism has increased since the 1950s with many locations at home and abroad experiencing a record number of visitors year on year.”
(a) Study Diagram Q14A.

Describe, in detail, the changes in death rates from malaria.
(b) Look at Diagram Q14B.

Choose one disease from Diagram Q14B above.

For the disease you have chosen, explain the impact on people and the countries affected.
ACKNOWLEDGEMENTS

Question 8 – De Visu/shutterstock.com

Question 11(b) – Fabio Lamanna/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.