GCE AS/A Level – LEGACY
1201/01
GEOGRAPHY – G1
Changing Physical Environments
TUESDAY, 15 MAY 2018 – AFTERNOON
1 hour 30 minutes

ADDITIONAL MATERIALS
A WJEC pink 16-page answer booklet.

INSTRUCTIONS TO CANDIDATES
Use black ink or black ball-point pen.
Answer all questions.
Write your answers in the separate answer booklet provided.

INFORMATION FOR CANDIDATES
Each question carries 25 marks.
The number of marks is given in brackets at the end of each question or part-question.
You are reminded that assessment will take into account the quality of written communication
used in your answers.

THIS PAPER REQUIRES THAT YOU MAKE THE FULLEST POSSIBLE USE OF
APPROPRIATE EXAMPLES IN SUPPORT OF YOUR ANSWERS. SKETCH-MAPS AND
DIAGRAMS SHOULD BE INCLUDED WHERE RELEVANT.
1.  
   (a) **Use Figure 1** to describe variations in the growth of renewable power generation capacity in 2015.  

   (b) **Outline two environmental causes of climate change.**  

   (c) **Outline the possible impacts of rising sea levels on people.**
Figure 2: Loss scores from earthquakes in eastern Turkey

<table>
<thead>
<tr>
<th>Year</th>
<th>Province</th>
<th>Value</th>
<th>Relative impact of indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>Van</td>
<td>0.55</td>
<td></td>
</tr>
<tr>
<td>1975</td>
<td>Lice</td>
<td>0.39</td>
<td></td>
</tr>
<tr>
<td>1983</td>
<td>Narman-Horasan</td>
<td>0.24</td>
<td></td>
</tr>
<tr>
<td>2003</td>
<td>Bingol</td>
<td>0.12</td>
<td></td>
</tr>
</tbody>
</table>

Indicators: 🟥 Deaths 🟢 Injured 🟢 Homeless 🔴 Buildings uninhabitable

A loss score is a measure of the overall impact of an earthquake which takes into account the relative importance of different indicators.

A score of 1 shows the greatest disaster impact and a score of 0 the least.

Source: adapted from http://earthquake-report.com

2. (a) Describe the similarities and differences in the loss scores of the earthquakes shown in Figure 2.

(b) Explain the tectonic processes operating at constructive plate margins and conservative plate margins.

(c) Examine the social and economic impacts of one or more tectonic events.
3. (a) Describe the effects of the 2004 tsunami on the area shown in Figure 3. [7]

(b) Explain the value of photographs and field sketches in the investigation of changing physical environments. [8]

(c) Outline the strengths and weaknesses of the methods of presenting data used in your own investigation into a changing physical environment. [10]

You should state clearly the question that you have investigated.

END OF PAPER