**INSTRUCTIONS TO CANDIDATES**

Use black ink or black ball-point pen. Do not use gel pen or correction fluid.

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **both** questions. At the end of each question there is a choice of case studies.

Write your answers in the spaces provided in this booklet.

If you run out of space, use the continuation pages at the back of the booklet, taking care to number the question(s) correctly.

**INFORMATION FOR CANDIDATES**

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 to questions 1(e) and 2(f).

In addition, your ability to spell, punctuate and use grammar accurately will be assessed in your answers to questions 1(e) and 2(f).

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<table>
<thead>
<tr>
<th>Question</th>
<th>Maximum Mark</th>
<th>Mark Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>SPaG</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>SPaG</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>66</strong></td>
<td></td>
</tr>
</tbody>
</table>
Theme 1: Challenges of Living in a Built Environment

Answer all parts of (a) to (d). There is a choice of questions in (e).

1. Study the map and cross-section below. They show information about the Pennine Way, a Long Distance Footpath used by thousands of walkers each year.
(a) Use **both** resources to describe the route of the Pennine Way. [4]
(b) The table below gives information about visitor numbers for the three National Parks linked by the Pennine Way.

<table>
<thead>
<tr>
<th>National Park</th>
<th>Visitors each year (millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>Northumberland</td>
<td>1.3</td>
</tr>
<tr>
<td>Yorkshire Dales</td>
<td>8.5</td>
</tr>
<tr>
<td>Peak District</td>
<td>8.6</td>
</tr>
<tr>
<td>Total</td>
<td>18.4</td>
</tr>
</tbody>
</table>

(i) Use the information in the table to complete the graph for 2013. [1]

(ii) Compare the numbers of visitors to the three National Parks in 2011 and 2013. [2]
(c) In the last 50 years, day visitors seeking leisure activities in rural areas of the UK have grown significantly.

(i) Give reasons to explain why. Refer to social and economic reasons in your answer. [5]

(ii) Explain why some people who live in rural areas welcome an increase in visitor numbers. [4]
(d) The photographs below show problems associated with an increase in visitor numbers to rural areas.

**Footpath erosion**

**Traffic problems in a small rural town**

How can rural environments, under pressure from visitors, be managed to ensure a sustainable environmental and social future? You should refer to example(s) in your answer.
(e) Case Studies

Answer only one of the questions, either (i) or (ii).

You will be assessed on your spelling, punctuation and accurate use of grammar in this question.

Either,

(i) A case study about housing in an urban area:

- Name the urban area;
- Describe the pattern of housing in different parts of this urban area;
- Explain why different groups of people live in different parts of this urban area.

Or,

(ii) A case study about the distribution of shopping services across an urban area:

- Name the urban area;
- Describe how shopping services are distributed across the area;
- Explain why this pattern exists.

Name of urban area: ..............................................................................................................................................
End of Theme 1
Theme 2: Physical Processes and the Relationships between People and Environments

Answer all parts of (a) to (e). There is a choice of question in (f).

2. Study the map and climate data below. It shows information about London (UK) and Kuala Lumpur (Malaysia).

(a) Compare the climate of London with that of Kuala Lumpur. Use figures in your answer. [4]
(b) Kuala Lumpur is in the tropics. Study the photograph below.

Explain why plants in tropical ecosystems grow at a rapid rate. [5]
Much of the precipitation in Kuala Lumpur is formed through convectional rainfall.

Annotate the diagram below to describe how convectional rainfall forms. Write your annotations in the space provided below.

1. .........................................................................................................................................................................................................

2. .........................................................................................................................................................................................................

3. .........................................................................................................................................................................................................

Key

\[ \text{thunderstorms} \]
(d) Study the weather map below. It shows a winter anticyclone positioned over the west of the United Kingdom in January 2014.

**KEY**

**Cloud cover**
- ☐ No cloud
- ☐ ⅓ covered
- ☐ ⅔ covered
- ☐ ⅚ covered

**Wind strength**
- ☐ Calm
- ☐ 5 knots
- ☐ 10 knots
- ☐ 15 knots

**Temperature**
- 3 Temperature is 3°C

(i) What is an anticyclone? Tick (√) the correct answer from the statements below. [1]

<table>
<thead>
<tr>
<th>Statement</th>
<th>Tick (√)</th>
</tr>
</thead>
<tbody>
<tr>
<td>An area of low pressure with light winds.</td>
<td></td>
</tr>
<tr>
<td>An area of high pressure with light winds.</td>
<td></td>
</tr>
<tr>
<td>An area of high pressure with strong winds.</td>
<td></td>
</tr>
</tbody>
</table>

(ii) Use the map to compare the weather in Birmingham with Edinburgh in January 2014. Use figures in your answer. [3]

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(e) Anticyclones can dominate the weather for prolonged periods. They can develop in summer or winter.

Fine summer weather in Fife, Scotland

Winter frost in East Anglia

Compare the hazards brought by a prolonged summer anticyclone with those of a prolonged winter anticyclone. [6]
Case Studies

Answer only one of the questions, either (i) or (ii).

You will be assessed on your spelling, punctuation and accurate use of grammar in this question.

Either,  

(i) A case study about managing an area threatened by coastal erosion:

- Name the coastal area you have studied;
- Explain why the coastal area needs to be managed at this location;
- Describe how the coastal area is being managed.

(ii) A case study about flood prevention along a river:

- Name a place where a river has been managed to prevent flooding;
- Describe the disadvantages of the flood prevention scheme;
- Explain why named groups of people hold different views about the flood prevention scheme.

Name and location of the coastal area / river: .................................................................

[8+3]