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(g).
In addition, your ability to spell, punctuate and use grammar accurately will be assessed in your answers to questions 1(e) and 2(g).
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. (a) Study the sketch map below. It shows the distribution of selected shops found in most UK towns and cities.

Describe the distribution of the large supermarkets shown on the map by ticking (√) the correct answers in the statements below. [3]

(i) Most large supermarkets are found near the CBD

(ii) There are more large supermarkets in the

(iii) Most large supermarkets are found near to main roads

near the CBD
on the edge of the city
near the river
north and west
north and south
south and east
inside the CBD
near to main roads
away from main roads
(iv) Describe **two** ways in which the distribution of grocery and convenience shops is different to that of the larger supermarkets. [2]

First difference ...........................................................................................................................................................

Second difference ..........................................................................................................................................................

(v) Complete the ‘heads and tails’ sentences below by drawing lines to link the terms with the correct definitions. One has been done for you.

**Heads**

A. Catchment …

B. Range …

C. Threshold …

D. Retail zone …

**Tails**

1. … the maximum distance shoppers are prepared to travel in order to buy goods.

2. … the area surrounding a shop from which its customers come.

3. … the area of a town or city where shops are located.

4. … the minimum number of customers needed by a shop in order to make a profit.

Add the number of the correct tail. [2]

A

B

C

D 3

(vi) Study the location of the proposed supermarket on the map. Explain why this is a suitable location for a new supermarket. [3]
(b) Study the graphs below. They show changes in the proportion of different types of shops selling grocery products (food and drink).

<table>
<thead>
<tr>
<th>Year</th>
<th>Independently owned, small convenience shops</th>
<th>Large supermarkets (e.g. Tesco and Sainsbury’s)</th>
<th>Others (e.g. internet / discount shops)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1973</td>
<td><img src="image" alt="Proportion of different types of shops selling grocery products" /></td>
<td></td>
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<tr>
<td>2013</td>
<td><img src="image" alt="Proportion of different types of shops selling grocery products" /></td>
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</table>

Proportion of different types of shops selling grocery products

(i) Describe the changes between 1973 and 2013 by ticking (✓) the two correct statements below. [2]

- More grocery products were sold by independently owned, small convenience shops in 1973 than 2013. ☐
- Less grocery products were sold by independently owned, small convenience shops in 1973 than 2013. ☐
- The biggest increase in the share of sales of grocery products has been by others (internet/discount shops). ☐
- The biggest increase in the share of sales of grocery products has been by large supermarkets. ☐

(ii) Give two reasons why shopping on the internet has become more popular in recent years. [2]

Reason 1

Reason 2
(c) Many small convenience shops have closed in recent years. An elderly resident gives her viewpoint.

I used to enjoy my daily walk to see the grocer. We used to talk for ages. I find it difficult to get to the large supermarkets.

(i) Explain why closing small convenience shops could affect the quality of life of elderly people. [4]

(ii) In some urban areas, as well as shops closing, some pubs and churches are closing.

   Explain why planners might be worried about having an increasing number of empty buildings in urban areas. [3]
Explain why people living nearby have mixed feelings about it being built. You should include both positive and negative points in your answer. [4]
(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 rural to urban migration:

- Name a city to which people are moving;  
- Explain why people leave the countryside and move to this city;  
- Describe problems this creates for planners in this city.

**Or,**

(ii) A case study about conflict resulting from leisure use in a rural area:

- Name a rural area where leisure use is causing conflict;  
- Explain why this conflict occurs;  
- Describe how the conflict is being managed.

[5+3]

**Name of place studied:** ........................................................................................................................................
End of Theme 1
2. (a) Study the map below. It shows the location of the main areas of savanna. Savanna is a tropical grassland ecosystem.

Use the map to decide which two of the following statements are correct. [2]

Tick (√) the correct answers in the list below.

(i) There are large areas of savanna in North America

(ii) Most savanna is found between the Tropic of Cancer and the Tropic of Capricorn

(iii) There are large areas of savanna in Africa

(iv) Most savanna is found north of the Tropic of Cancer
(b) Study the photograph below which shows an area of savanna in Africa.

Give two features of the natural vegetation as shown in the photograph. [2]

(i) Feature 1

(ii) Feature 2
(c) The diagram below shows some processes within the savanna ecosystem.

Water in atmosphere

Rainfall

Soil

Weathering

Rocks

Plants

Decomposition by bacteria and fungi

Leaf Litter

Choose the correct label for arrow A. Tick (√) your choice. [1]

(i) Energy from the sun

(ii) Herbivores eat the plants

(iii) Plants take up nutrients from the soil

(iv) Use the information in the diagram to explain the importance of bacteria and fungi. [2]
(d) Study the diagram below which shows a savanna food web.

![Food Web Diagram]

Name one example of each of the following from the food web shown in the diagram.

<table>
<thead>
<tr>
<th>Example from the diagram</th>
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<tbody>
<tr>
<td>Carnivore (meat-eating animal)</td>
</tr>
<tr>
<td>Herbivore (plant-eating animal)</td>
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</table>

(e) Study the graphs below. They show climate information for an area of savanna.

There is usually no rainfall between October and April in this area of savanna.

(i) Complete the temperature graph by plotting the following figures. [2]

June 33°C

(ii) Complete the sentences below using the information in the graphs. [3]

The month with the highest temperature is ..................................................

Total amount of rainfall in the wettest month in mm is ..................... mm.

Number of months when the rainfall was less than 20 mm is .................. months.
One of the greatest problems facing people living in the savanna is **desertification**. This is the process by which dry environments become more like deserts.

(i) Explain why the activities shown in the photographs can lead to desertification. [4]

(ii) Explain why desertification makes everyday life very difficult for the people who live there. Use the photographs to help you in your answer. [3]
(iii) Describe some of the measures that people are taking to try to manage the problem of desertification.

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(g) 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 an extreme weather event:

- Name the place(s) affected by the weather event;
- Explain causes of this weather event;
- Describe the effects of this weather event on people.

Or,

(ii) A case study about a river flood:

- Name the place(s) affected by this river flood;
- Explain the physical causes of this flood;
- Describe the effects of this flood on people.

Name of place(s) studied: ...................................................................................................................................
End of Theme 2

END OF PAPER
<table>
<thead>
<tr>
<th>Question number</th>
<th>Additional page, if required. Write the question number(s) in the left-hand margin.</th>
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