Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – **there may be more space than you need.**

Information

- The total mark for this paper is 54.
- The marks for **each** question are shown in brackets – **use this as a guide as to how much time to spend on each question.**
- Questions labelled with an **asterisk** (*) are ones where the quality of your written communication will be assessed.
- The marks available for spelling, punctuation and grammar are clearly indicated.

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.
SECTION A – GEOGRAPHICAL SKILLS

Answer ALL questions in this section.

Some questions must be answered with a cross in a box ✗. If you change your mind about an answer, put a line through the box ✗ and then mark your new answer with a cross ✗.

1. (a) Look at the Ordnance Survey (OS) map extract of the Canterbury area and Figure 1a (photograph) in the Resource Booklet.

   The photograph was taken in grid square 2169 looking east-north-east.

   Figure 1b is a field sketch of the photograph.

   ![Figure 1b](image)

   Complete the boxes on Figure 1b by labelling the features.

   Use some of the words in the box below.

   (3)

   visitor centre  cliff  information centre

   current or former place of worship (church) with tower

   parking  sand
(b) (i) Find the village of St Nicholas at Wade in grid square 2666.
   Complete the sentences to describe the site of the village.
   Use some of the words and numbers in the box. (3)

<table>
<thead>
<tr>
<th>24 m</th>
<th>17 m</th>
<th>flat</th>
<th>hilly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wantsum</td>
<td>Stour</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   St Nicholas at Wade is sited on ............................................. land above the
   floodplain of the River ............................................. .
   The 20 m contour line goes around the village.
   The centre of the village rises slightly to a spot height of ............................................. .

(ii) Find the village of Monkton in grid square 2865.

   Compare the shape of Monkton with the shape of St Nicholas at Wade (2666). (3)

(c) Find the railway station in Canterbury (1458) and the railway station at Sturry (1760).

   What is the distance between these two stations along the railway line, to the
   nearest kilometre (km)? (1)

   □ A 2 km
   □ B 4 km
   □ C 6 km
   □ D 8 km
(d) There are many different land features on the map extract.

Complete the table below with one land feature for each of the grid squares.

A land feature can only be used once.

<table>
<thead>
<tr>
<th>Grid square</th>
<th>Name of land feature</th>
<th>Symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>1864</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1661</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Total for Question 1 = 14 marks)
2 (a) Look at Figure 2a below and the key (Figure 2b) in the Resource Booklet.

It shows information on the length and shape of pebbles collected along the coast between Reculver and Minnis Bay.

<table>
<thead>
<tr>
<th>Pebble number</th>
<th>Site 1 Grid reference 235695</th>
<th>Site 2 Grid reference 240695</th>
<th>Site 3 Grid reference 245694</th>
<th>Site 4 Grid reference 250695</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Figure 2a
(i) Complete Figure 2a.

Use the data in the table.

<table>
<thead>
<tr>
<th>Site</th>
<th>Pebble number</th>
<th>Length and shape of pebble</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>Greater than 4 cm, very angular</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>Less than 2 cm, well rounded</td>
</tr>
</tbody>
</table>

(ii) The largest number of rounded pebbles were collected at

☐ A site 1
☐ B site 2
☐ C site 3
☐ D site 4

(iii) The largest number of very angular pebbles were collected at grid reference

☐ A 235695
☐ B 240695
☐ C 245694
☐ D 250695

(iv) Describe what is happening to the shape of the pebbles between site 1 and site 4.

Use pebble data in your answer.
(v) State one advantage and one disadvantage of using the technique, shown in Figure 2a, to display data.

(2)

Advantage

Disadvantage

(b) Describe how ICT can be used to present data that has been collected in the field.

(3)

(Total for Question 2 = 11 marks)

TOTAL FOR SECTION A = 25 MARKS
SECTION B – CHALLENGES FOR THE PLANET

Answer ALL questions in this section.

3 (a) Look at Figure 3.

It shows the effects of sea level rises on areas of Florida.

![Figure 3]

(i) Shade in the three areas that would be flooded if the sea level rose by 2 metres.

(1)
(ii) Complete the sentences about the causes of climate change.

Use some of the words in the box.

- grass
- Asia
- methane
- coal
- Australia
- carbon dioxide
- hydrochloric acid
- oxygen
- rice

When fossil fuels such as ............................................ are burnt

they release ............................................ .

This is one of the gases that cause the greenhouse effect.

Another gas which causes the greenhouse effect is ............................................ .

The amount of this gas in the atmosphere has increased because of the

growth of population in ............................................ .

This means more ............................................ is being grown.
(iii) Outline the negative effects of rising sea levels on people and the environment.

Use examples in your answer.

(b) Choose the two statements that are the best examples of global responses to climate change.

- A Conferences attended by many national governments to discuss reductions in greenhouse gases.
- B People joining campaigns to improve recycling in their local areas.
- C Researchers trying to find new ways of increasing food production to meet growing demand.
- D LICs and HICs working together to encourage economic growth without damaging the environment.
- E The UK government providing money for research in alternative energy sources.

(Total for Question 3 = 12 marks)
Spelling, punctuation and grammar will be assessed in *(b).*

4  (a) Look again at the Ordnance Survey (OS) map extract of the Canterbury area and Figure 4 (photograph) in the Resource Booklet.

(i) Figure 4 shows a Park and Ride site to the south west of Canterbury.

The four figure grid reference of this Park and Ride site is

- A 1655
- B 1659
- C 1356
- D 1359

(ii) In which area of Canterbury is traffic congestion likely to be worst?

- A 1359
- B 1657
- C 1457
- D 1659

(iii) Describe the distribution of Park and Ride sites around Canterbury.

Use evidence from the OS map extract in your answer.

.......................................................................................................................... ... ...................
.......................................................................................................................... ... ...................
.......................................................................................................................... ... ...................
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.......................................................................................................................... ... ...................
.......................................................................................................................... ... ...................
(iv) Other than Park and Ride schemes, outline one method used to manage traffic in urban areas.

.......................................................................................................................... ... ...................
.......................................................................................................................... ... ...................
.......................................................................................................................... ... ...................
.......................................................................................................................... ... ...................

*(b) Explain how the effects of resource extraction from tropical rainforest areas are managed.

Use examples in your answer.

.......................................................................................................................... ... ...................
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.......................................................................................................................... ... ...................

(Total for spelling, punctuation and grammar = 4 marks)
(Total for Question 4 = 17 marks)

TOTAL FOR SECTION B = 29 MARKS
TOTAL FOR PAPER = 54 MARKS
Information

This Resource Booklet contains photographs and a key needed for use with the Unit 1: Geographical Skills and Challenges examination.
This Resource Booklet is for use with both foundation and higher tiers.
Figure 1a
<table>
<thead>
<tr>
<th>Rock size and shape</th>
<th>greater than 4 cm</th>
<th>2 cm to 4 cm</th>
<th>less than 2 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>very angular</td>
<td><img src="link" alt="Image" /></td>
<td><img src="link" alt="Image" /></td>
<td><img src="link" alt="Image" /></td>
</tr>
<tr>
<td>sub-angular</td>
<td><img src="link" alt="Image" /></td>
<td><img src="link" alt="Image" /></td>
<td><img src="link" alt="Image" /></td>
</tr>
<tr>
<td>well rounded</td>
<td><img src="link" alt="Image" /></td>
<td><img src="link" alt="Image" /></td>
<td><img src="link" alt="Image" /></td>
</tr>
</tbody>
</table>

Figure 2b key
SECTION B – CHALLENGES FOR THE PLANET

Figure 4