

Paper Reference(s)

**XXXX/XX**

# **Edexcel GCSE**

## **Geography A**

Unit 1: Geographical Skills and

Challenges

Foundation tier

Time: 1 hour

**Materials required for examination**

Nil

**Items included with question papers**

resource booklet

### **Instructions to Candidates**

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In the boxes above, write your centre number, candidate number, your surname, initials and signature.

Check that you have the correct question paper.

Answer **ALL** the questions. Write your answers in the spaces provided in this question paper.

Indicate which questions you are answering by marking the box (☒).

If you change your mind, put a line through the box (☒) and then indicate your new question with a cross (X).

### **Information for Candidates**

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The marks for individual questions and the parts of questions are shown in round brackets: e.g. (2).

There are 5 questions in this question paper. The total mark for this paper is 50.

There are 10 pages in this question paper. Any blank pages are indicated.

### **Advice to Candidates**

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Quality of written communication will be taken into account in the marking of your responses to Question 5aii. This question is indicated with an asterisk. Quality of written communication includes clarity of expression, the structure and presentation of ideas and grammar, punctuation and spelling.

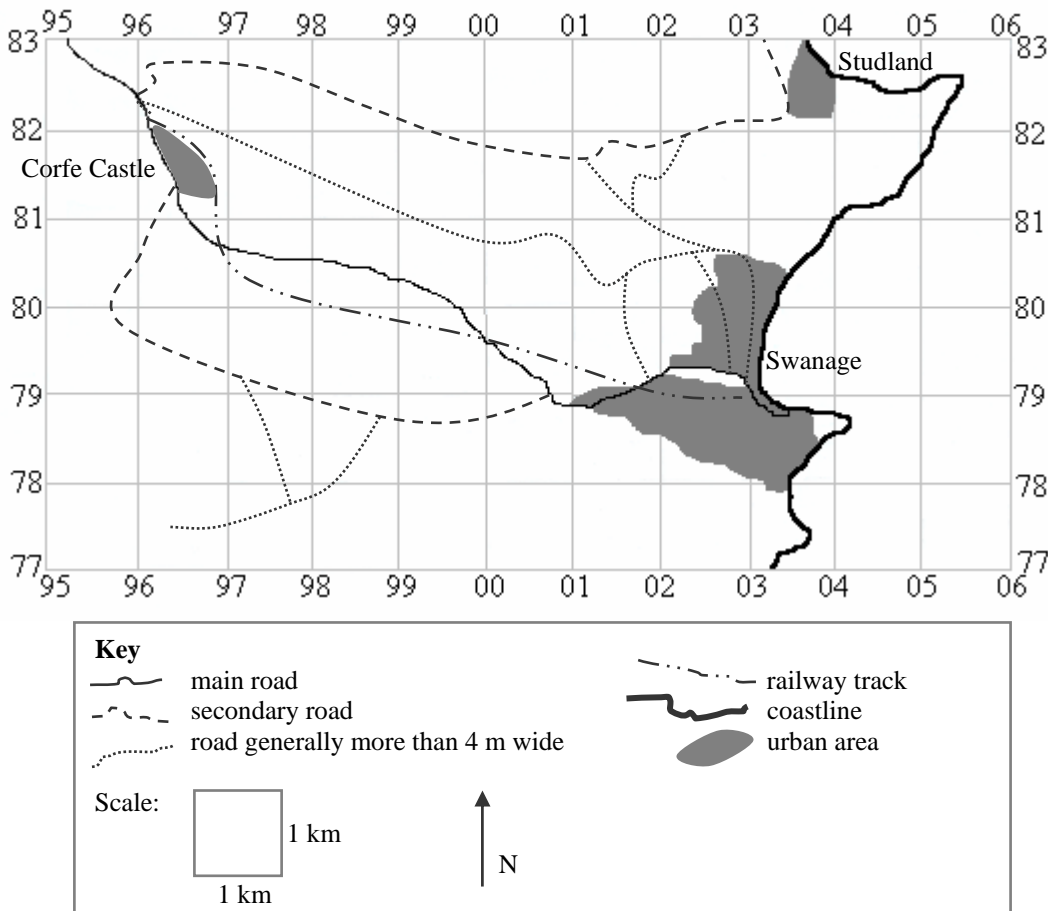
**NXXXXXX**

W850/.../57570

### Section A – Geographical Skills

Answer ALL questions in this section

1a) Study the Ordnance Survey (OS) map.  
Study Figure 1a. It is a sketch map of the same area.



**Figure 1a**

A family are on holiday in the area shown on the OS map extract. They are staying near Corfe Castle in grid square 9582.

i) Draw the symbol used on the OS map to show the post office at Corfe Castle.

Post office

**(1)**

The family leave Corfe Castle on the B3351 towards Studland.

ii) Label the B3351 on the correct road on Figure 1a.

**(1)**

After the family have travelled for 2 km, they pass Brenscombe Farm on their right.

iii) Mark with an F Brenscombe Farm on Figure 1a. (1)

The family arrive in Studland and park in the car park closest to the post office.

iv) What is the four figure grid reference of this car park?  
Put a cross in the box that indicates the correct answer.

- |          |      |                          |
|----------|------|--------------------------|
| <b>A</b> | 0382 | <input type="checkbox"/> |
| <b>B</b> | 0383 | <input type="checkbox"/> |
| <b>C</b> | 9581 | <input type="checkbox"/> |
| <b>D</b> | 0282 | <input type="checkbox"/> |

(1)

The family decide to walk to Old Harry in grid square 0582.

v) What direction is Old Harry from this car park?  
Put a cross in the box that indicates the correct answer.

- |          |            |                          |
|----------|------------|--------------------------|
| <b>A</b> | south west | <input type="checkbox"/> |
| <b>B</b> | west       | <input type="checkbox"/> |
| <b>C</b> | east       | <input type="checkbox"/> |
| <b>D</b> | north east | <input type="checkbox"/> |

(1)

b) The family then return to their car taking photograph A on the way.

i) Photograph A was taken at grid reference 044813 facing south.  
Mark with an X on Figure 1a where photograph A was taken. (1)

ii) What is the name of the bay that can be seen from grid reference 044813?  
..... (1)

The family leave Studland and travel to Swanage. They see the railway station.

iii) How far is it along the railway line from Swanage station to the end of the track in Corfe Castle?

Put a cross in the box that indicates the correct answer.

- |          |       |                          |
|----------|-------|--------------------------|
| <b>A</b> | 4 km  | <input type="checkbox"/> |
| <b>B</b> | 8 km  | <input type="checkbox"/> |
| <b>C</b> | 12 km | <input type="checkbox"/> |
| <b>D</b> | 16 km | <input type="checkbox"/> |

(1)

At the end of the day the family return to their hotel in Corfe Castle, from Swanage.

iv) What road do they travel on?

.....

(1)

c) Study the OS map.

Find Harmans Cross in grid square 9880.

Also find Studland in grid square 0382.

Complete the sentences below to describe the shape of these two settlements.  
Put a cross in the boxes that indicate the correct answers.

Harmans Cross is a **linear**  / **dispersed**  settlement.

This means that the houses are built **along a main road**  / **around a crossroads junction** .

Studland is a **linear**  / **nucleated**  settlement.

Both of the settlement shapes have been influenced by **roads**  / **railway lines** .

(4)

2a) Study Figure 2a in the resource booklet. It shows data collected from pedestrian counts in Swanage on Sunday 13th May 2007.

Use the data in Figure 2a to answer the following questions.

i) Between 2.30 and 3.00pm how many people went towards the beach?

..... (1)

ii) Between 12.30 and 1.00pm how many more people went towards the town than went towards the beach?

..... (1)

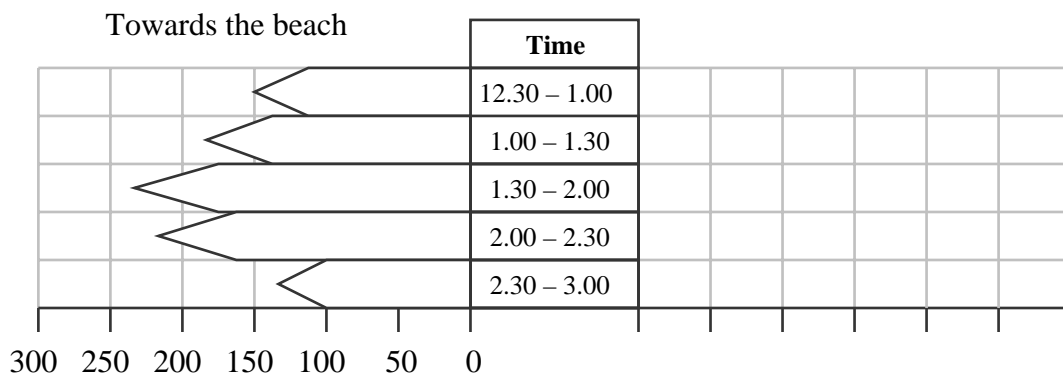
iii) After 2.00pm what happened to the number of people going towards the beach?

..... (1)

iv) At what time was the largest number of people moving towards the town?

..... (1)

b) Figure 2b is an incomplete flow chart of the information in Figure 1c.



**Figure 2b**

i) Complete the flow chart (Figure 2b) using the data from the table in Figure 2a.

(4)

Study Figure 2c in the resource booklet. It shows the results of pedestrian counts on Sunday 12<sup>th</sup> August 2007.

ii) Suggest **one** reason why there are more people going towards the beach in August than in May.

..... (1)

iii) Suggest **one** reason why between 12.30pm and 1.30pm there are more people moving towards the town than towards the beach.

.....  
..... (1)

iv) Describe **one** difference in the data for pedestrian movement towards the town between Sunday 13<sup>th</sup> May and Sunday 12<sup>th</sup> August 2007?  
Use data in your answer.

.....  
.....  
.....  
..... (2)

**Total for Section A = 25 marks**

### Section B – Challenges for the Planet

3a) Study Figure 3a in the resource booklet. Some of the pictures show possible causes of climate change.

Use the words below to complete the sentences to describe the possible causes of climate change. Each word can be used once, more than once or not at all

<b>do</b>	<b>do not</b>	<b>ash</b>	<b>lava</b>	<b>lower</b>	<b>higher</b>
<b>oxygen</b>		<b>carbon dioxide</b>		<b>coal</b>	<b>uranium</b>

Wind turbines \_\_\_\_\_ cause climate change because no greenhouse gases are released.

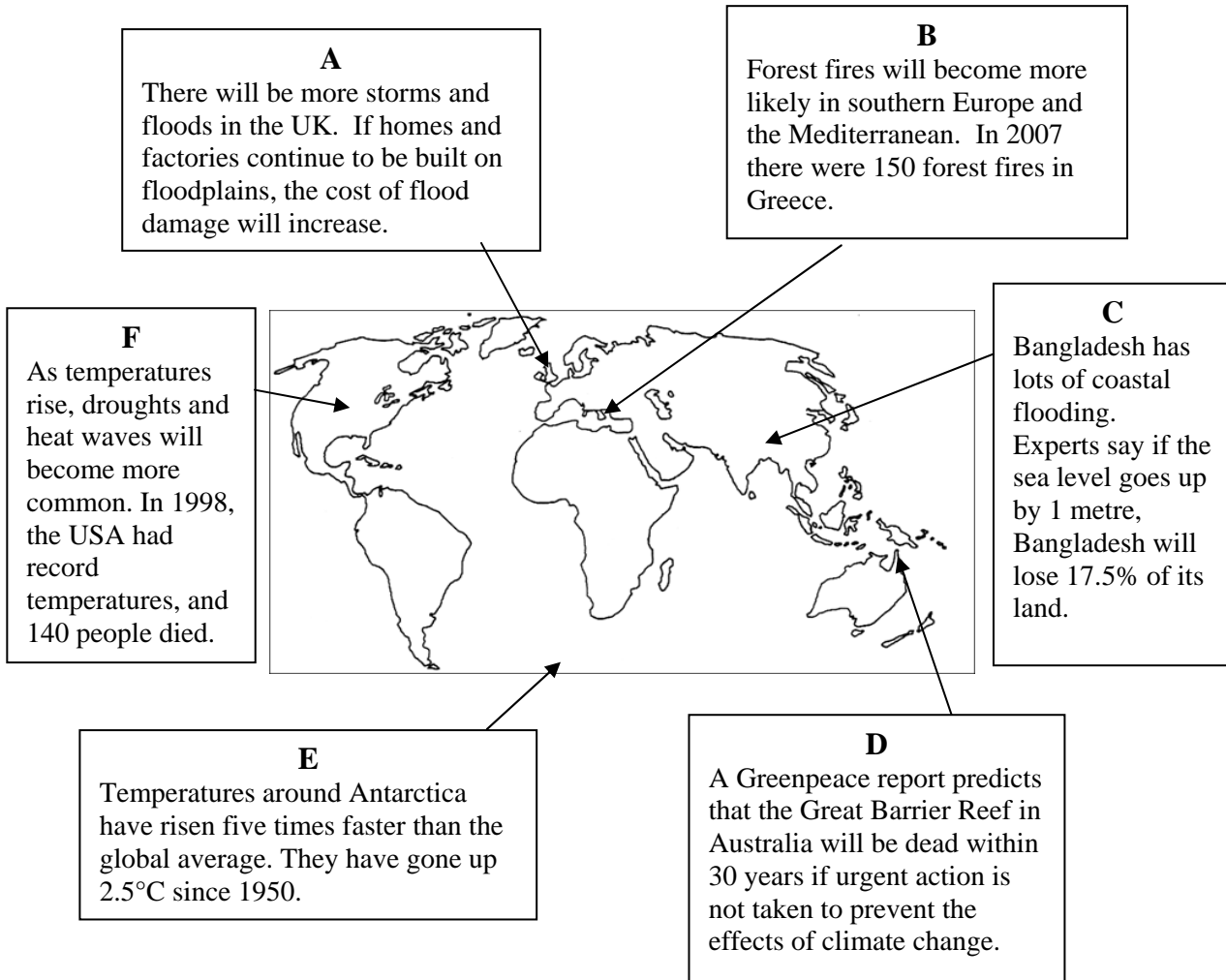
Volcanoes can cause climate change because the \_\_\_\_\_ that is thrown out blocks the Sun causing \_\_\_\_\_ temperatures.

Cars release \_\_\_\_\_ which is a greenhouse gas.

Power stations burn fossil fuels such as \_\_\_\_\_ which causes climate change.

(5)

b) Study figure 3b. It describes some of the effects of climate change.



**Figure 3b**

i) Answer true or false for the following statements. Put ticks in the correct boxes.

	<b>true</b>	<b>false</b>
In 2007 there were 150 forest fires in Greece.	<input type="checkbox"/>	<input type="checkbox"/>
Since 1950 temperatures in Antarctica have risen by 12.5°C.	<input type="checkbox"/>	<input type="checkbox"/>
Experts say that Bangladesh will lose 17.5% of its land area if the sea level goes up by one metre.	<input type="checkbox"/>	<input type="checkbox"/>
The Great Barrier Reef in New Zealand will be dead within 60 years if urgent action is not taken to prevent the effects of climate change.	<input type="checkbox"/>	<input type="checkbox"/>
In 1998, 140 people died in the USA due to record high temperatures.	<input type="checkbox"/>	<input type="checkbox"/>

(5)

ii) Boxes B and E, in Figure 3b show two effects of climate change.  
Choose one of these effects.  
Circle your choice

**B**                      **E**

Explain what will happen as a result of this effect..

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

(2)

4a) Study photographs B and C in the resource booklet. They show ways to reduce traffic congestion.

i) Name the **two** methods of reducing traffic congestion shown in photographs B and C.

Photograph B

.....

Photograph C

.....

(2)

ii) Describe how **one** of these methods reduces traffic congestion.

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

(2)

iii) Name **one** other method that can help to reduce traffic congestion

.....  
.....

(1)

5a) Study figure 3c in the resource booklet. It is a map showing the distribution of tropical rain forests in 2005.

i) Describe the distribution of tropical rainforests shown in Figure 3c.

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

(2)

ii)\* In many areas of the world tropical rain forests need to be managed.  
Explain **two** problems resulting from the cutting down the tropical rainforests.  
Use examples from places you have studied.

1.....  
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2.....  
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.....  
.....

(6)

**Total for Section B = 25 marks**  
**TOTAL FOR PAPER = 50 marks**

**END**