

Write your name here

Surname

Other names

Centre Number

Candidate Number

**Edexcel GCSE**

# Geography A

## Unit 1: Geographical Skills and Challenges

**Foundation Tier**

Monday 14 June 2010 – Morning

**Time: 1 hour**

Paper Reference

**5GA1F/01**

**You must have:**

Resource Booklet (enclosed)  
Ordnance Survey Map (enclosed)

Total Marks

### 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 50.
- 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  
– *you should take particular care on these questions with your spelling, punctuation and grammar, as well as the clarity of expression.*

### 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.

Turn over ►

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## 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 Warkworth and Amble and Photograph A in the Resource Booklet.

Photograph A was taken at 268047 looking north west.

- (i) In the background of the photograph there is a castle.

Name the village that the castle is located in.

(1)

- A Amble
- B Warkworth
- C Alnwick
- D Shilbottle

- (ii) Name the river in Photograph A.

(1)

- A Aln
- B Warkworth
- C Houndean
- D Coquet



(b) Look at Photograph B in the Resource Booklet and the OS map extract.

Photograph B was taken at 247057 looking north.

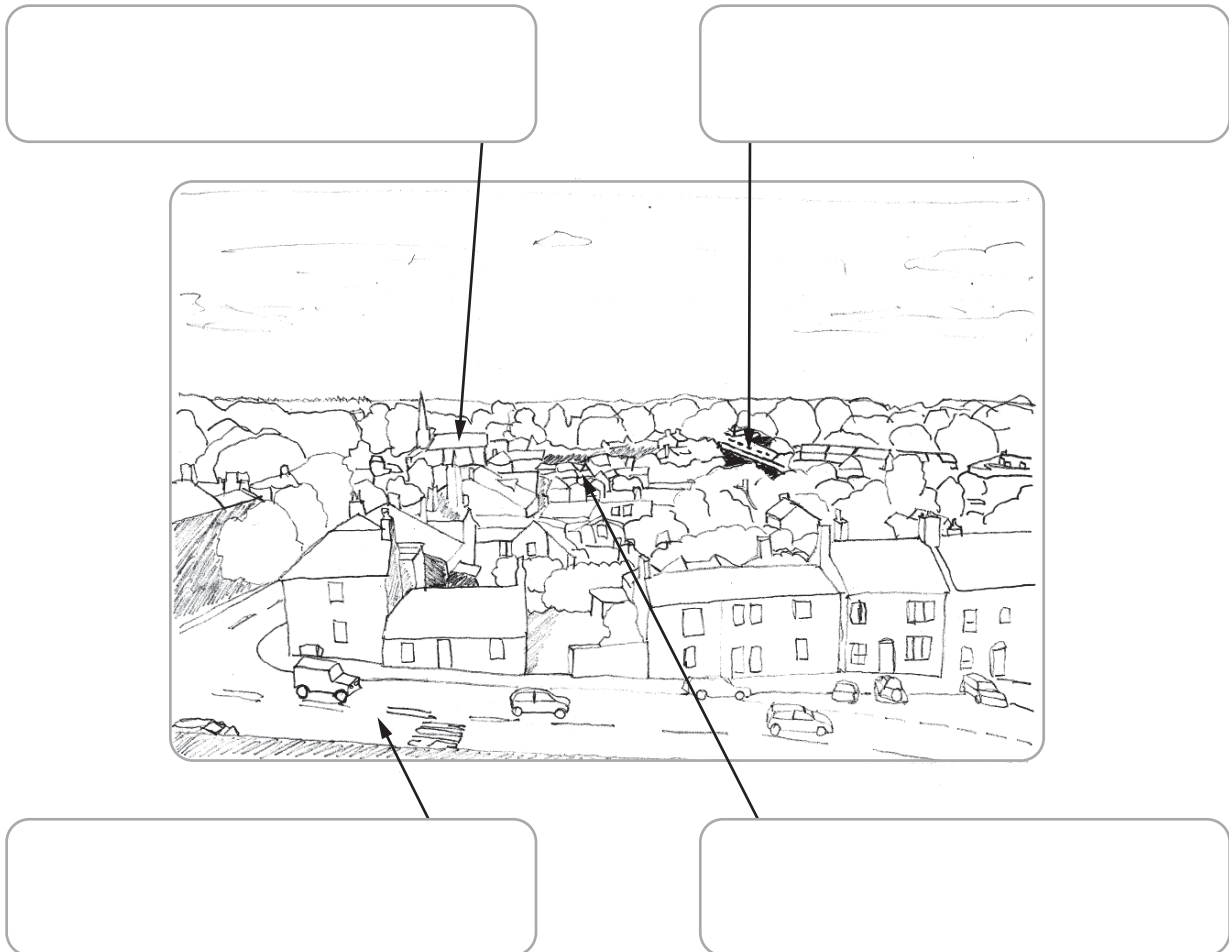
Figure 1a is a field sketch of the photograph.

Complete the boxes marked on Figure 1a.

Use some of the words in the box below.

(4)

<b>current or former place of worship (church) with tower</b>	<b>post office</b>	<b>A1</b>
<b>A1068</b>	<b>public convenience</b>	<b>current or former place of worship (church) with spire</b>
<b>bridge over the River Coquet</b>		



**Figure 1a**



(c) Describe the distribution of woodland shown on the map.

Use map evidence in your answer.

(3)

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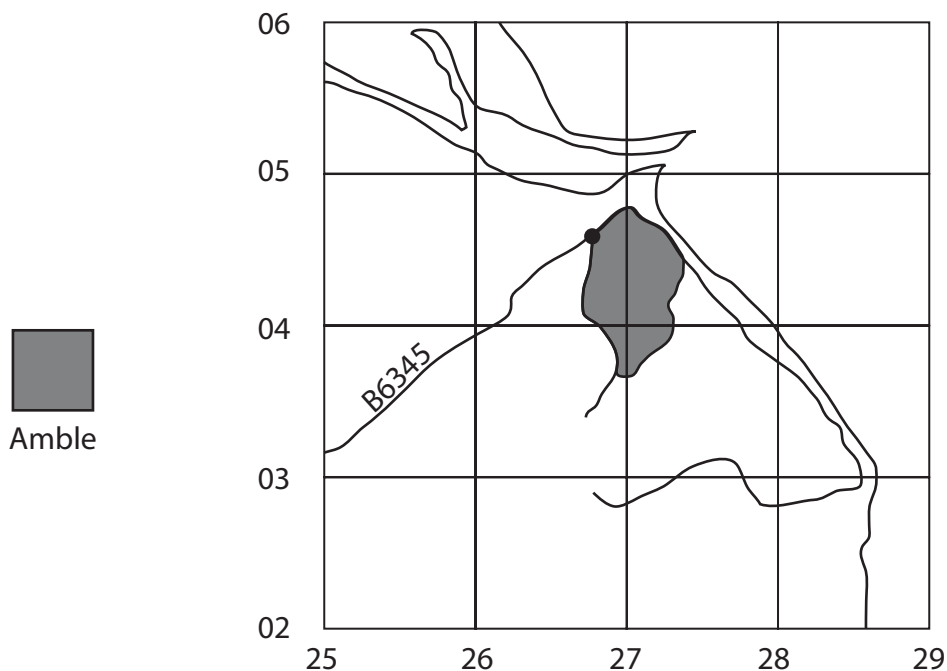
(d) What is the distance to the nearest kilometre along the railway line from the railway station (grid square 2311) in Alnmouth to the railway station in grid square 2201?

(1)

- A** 8 kms
- B** 10 kms
- C** 12 kms
- D** 14 kms



(e) Look at the OS map extract of Warkworth and Amble and Figure 1b.



**Figure 1b**

(i) Mark the following onto Figure 1b.

Use the key on the OS map to help you.

(4)

1. A tourist information feature
2. A water feature
3. The route of the A1068.

(ii) Look at Photograph C in the Resource Booklet.

The photograph was taken at grid reference 272049.

Mark with an **X** on Figure 1b the location of the lighthouse shown on Photograph C.

(1)

**(Total for Question 1 = 15 marks)**



2 (a) Look at Figure 2a. It shows population data for Warkworth and England.

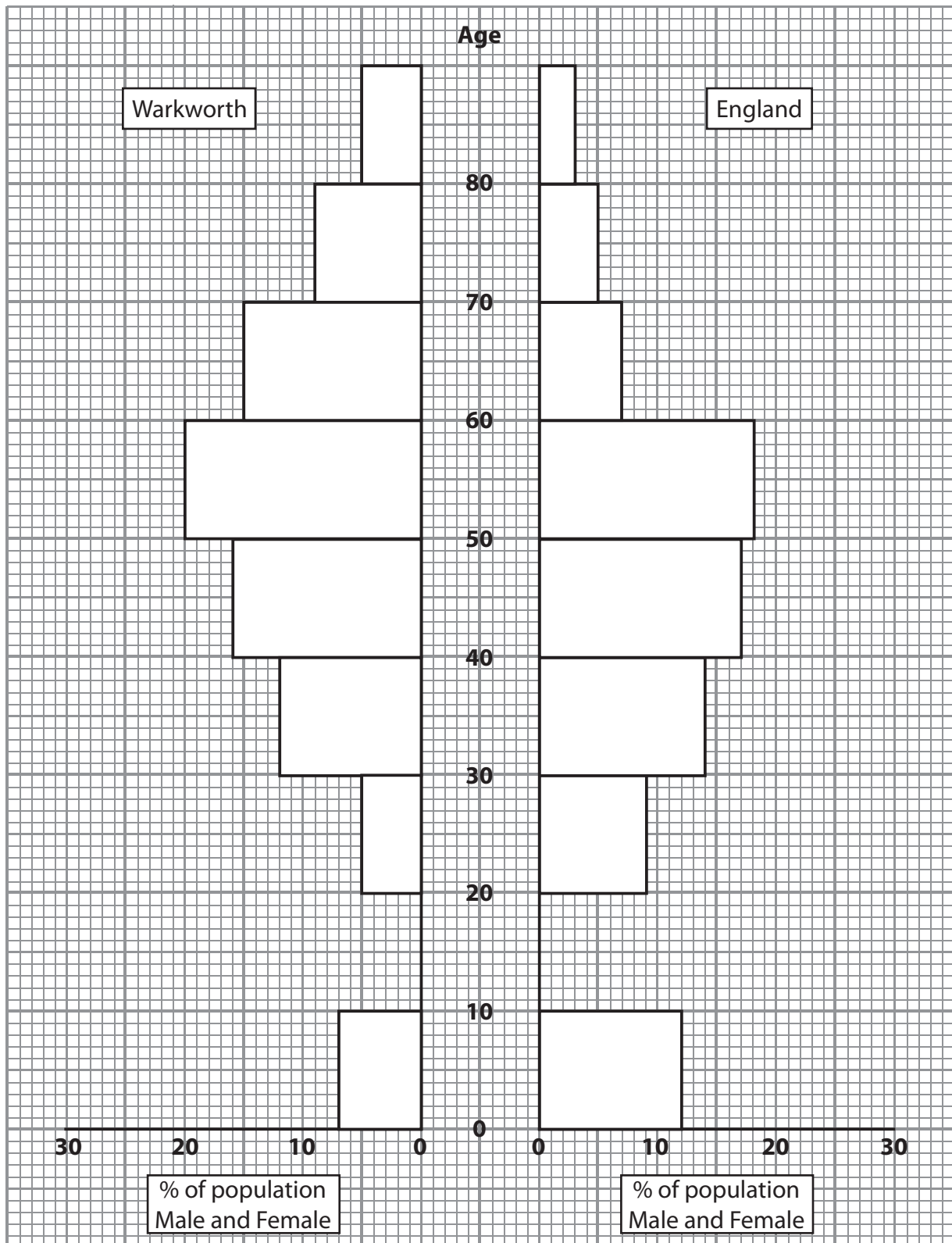


Figure 2a



(i) Complete the population graph for Warkworth and England (Figure 2a).

Use the data in the table below.

(2)

Age	Warkworth	England
10–19	5	9

(ii) Complete the sentences to compare the age structure of Warkworth with the rest of England.

Use some of the words and numbers from the box below.

(5)

15%	Warkworth	12%	England
10%	5%	8%	

Warkworth has ..... of its population below the age of twenty.

..... has 21% of its population below the age of twenty.

..... has 29% of its population above the age of 60

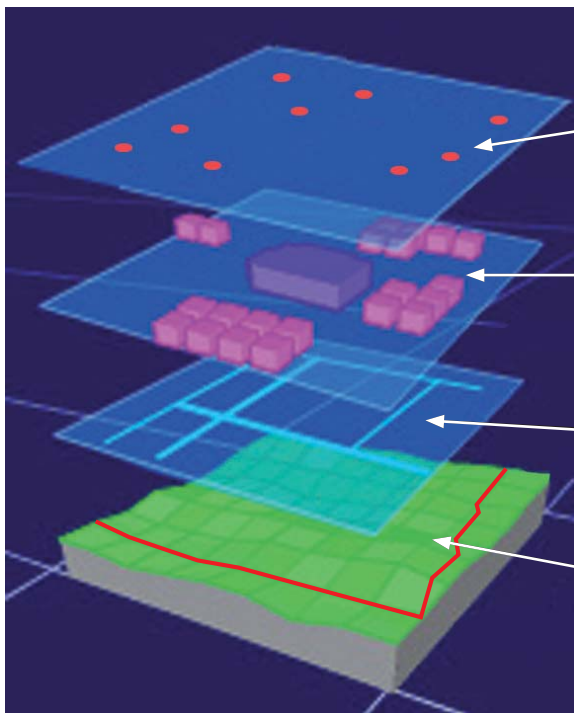
whereas England has ..... of its population above the age of 60.

England has ..... more of its population in the 21–60 age groups

than Warkworth.



(b) Look at Figure 2b. It shows one use of Geographical Information Systems (GIS).



- Layer showing the location of primary schools
- Layer showing the location of buildings
- Layer showing a map of the street pattern
- Map which shows physical geography of the area and major roads

**Figure 2b**

(i) Describe what is meant by layering information.

You may use Figure 2b to help you.

(2)

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(ii) Suggest one group of people who might use the information shown in Figure 2b.

(1)

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**(Total for Question 2 = 10 marks)**

**TOTAL FOR SECTION A = 25 MARKS**





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**Turn over for SECTION B**



## SECTION B – CHALLENGES FOR THE PLANET

Answer ALL questions in this section

3 (a) Look at Figure 3. It shows four images.



Figure 3

(i) One of the images on Figure 3 does **not** make a major contribution to climate change.

Which one?

(1)

- A Car
- B Power station
- C Cow
- D Horse



(ii) The production of methane is a cause of current climate change.

Which of the images shown on Figure 3 produces the most methane?

(1)

- A** Car
- B** Power station
- C** Cow
- D** Horse

(iii) There has been an increase in the amount of methane being released into the atmosphere.

Suggest reasons why.

(2)

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(iv) Complete the sentences to explain how burning fossil fuels causes climate change.

Use some of the words from the box below.

(5)

<b>sulphur dioxide</b>	<b>water</b>	<b>carbon dioxide</b>	<b>gases</b>
<b>rise</b>	<b>fall</b>	<b>resources</b>	<b>coal</b>

Oil and ..... are two ..... which are known as fossil fuels.

When fossil fuels are burnt they release ..... into the atmosphere.

One of these is ..... which contributes to the greenhouse effect.

The greenhouse effect is when heat energy is trapped in the atmosphere

which causes temperatures to .....



(v) Describe **two** negative effects that climate change is having on the environment.

Use examples in your answer.

(4)

Negative effect 1

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Negative effect 2

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**(Total for Question 3 = 13 marks)**

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**4** (a) Look at Figure 4 in the Resource Booklet. It shows percentage of forest cover in 1990 and 2005 in some tropical rainforest countries.

(i) Which country has lost the smallest percentage of forest cover between 1990 and 2005?

(1)

- A** Ecuador
- B** Philippines
- C** Peru
- D** Nigeria

(ii) Which of the following continents has lost the largest percentage of forest cover between 1990 and 2005?

(1)

- A** Africa
- B** Asia
- C** Europe
- D** South America

(iii) Describe the effects of resource extraction on tropical rainforest environments and the people who live there.

Use examples in your answer.

(4)

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\*(b) Outline how transport is being managed in urban areas.

You should refer to a number of different sustainable schemes in your answer.

(6)

Area with horizontal dotted lines for writing the answer.

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**(Total for Question 4 = 12 marks)**

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**TOTAL FOR SECTION B = 25 MARKS**  
**TOTAL FOR PAPER = 50 MARKS**



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