

Write your name here

Surname

Other names

Centre Number

Candidate Number

Edexcel GCSE

Geography A

Unit 1: Geographical Skills and Challenges

Higher Tier

Monday 14 June 2010 – Morning

Time: 1 hour

Paper Reference

5GA1H/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

- 1 (a) Study 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.

In which village is this castle located in?

(1)

- (ii) Name the river in Photograph A.

(1)



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

Photograph B was taken at 247057 looking north.

In the boxes provided, name the features marked on Figure 1a.

(3)

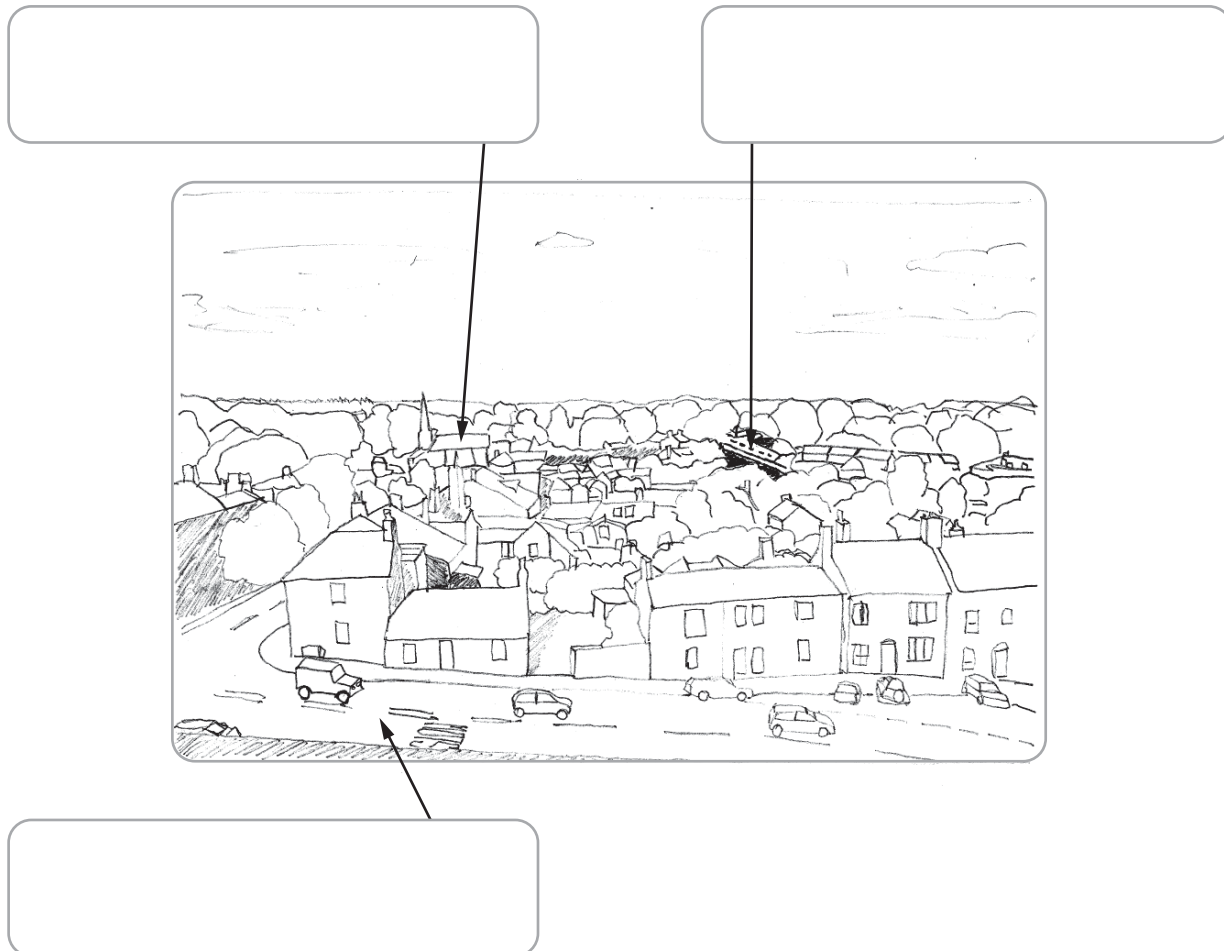


Figure 1a



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

Use map evidence in your answer.

(4)

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

(1)

..... Kms



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

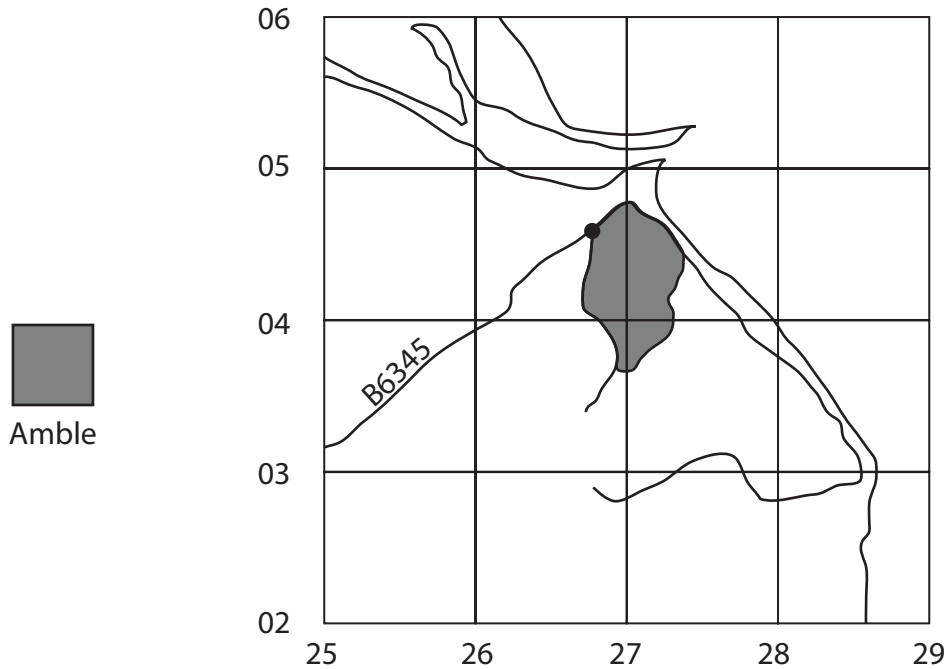


Figure 1b

(i) Mark the following onto Figure 1b.

Use the key on the OS map to help you.

(4)

1. Two tourist information features
2. Two water features
3. The route of the A1068.

(ii) Study 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) Study Figure 2a. It shows population data for Warkworth and England.

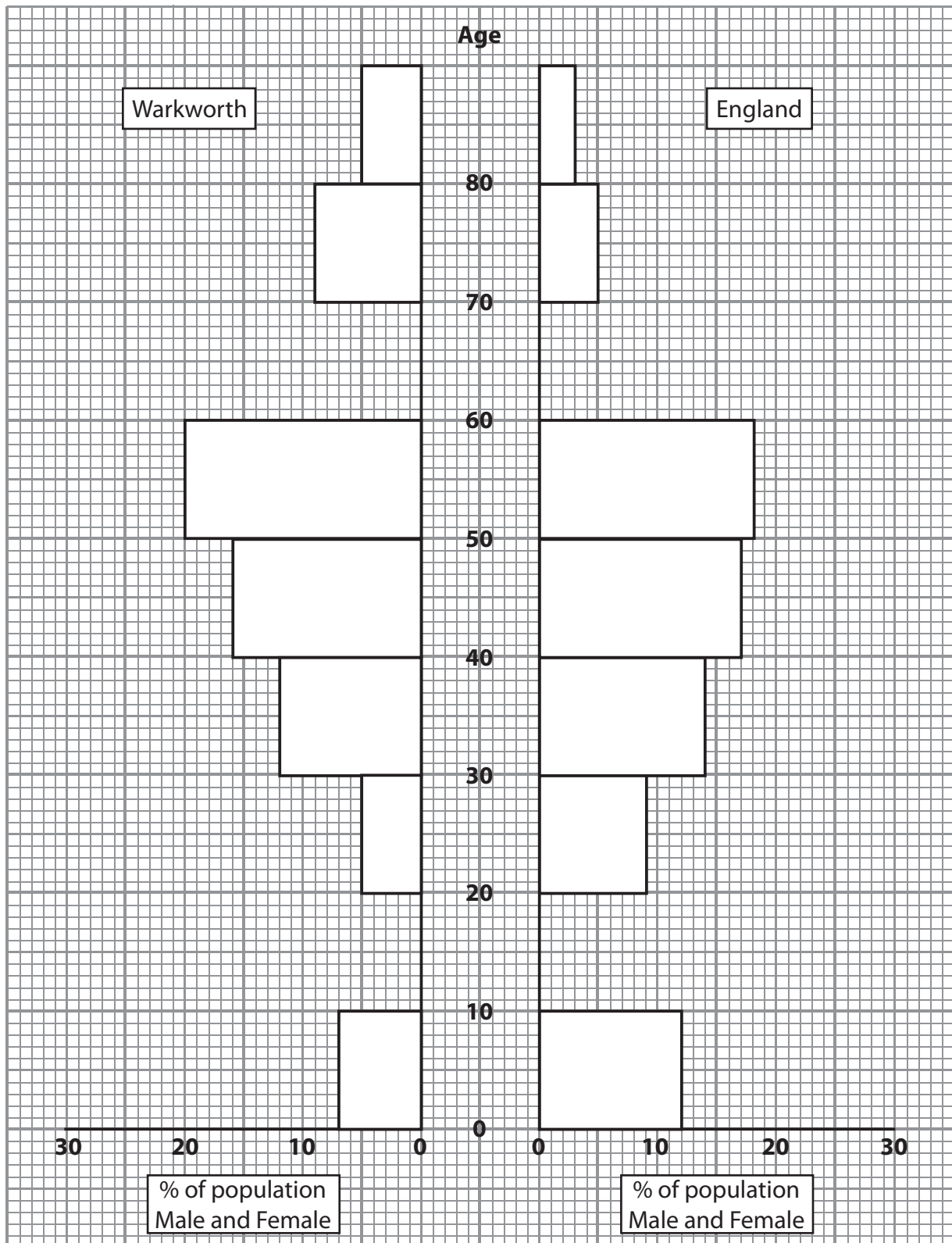


Figure 2a



(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
60–69	15	7

(ii) Comment on the age structure of Warkworth compared to England.

Use population data in your answer.

(4)

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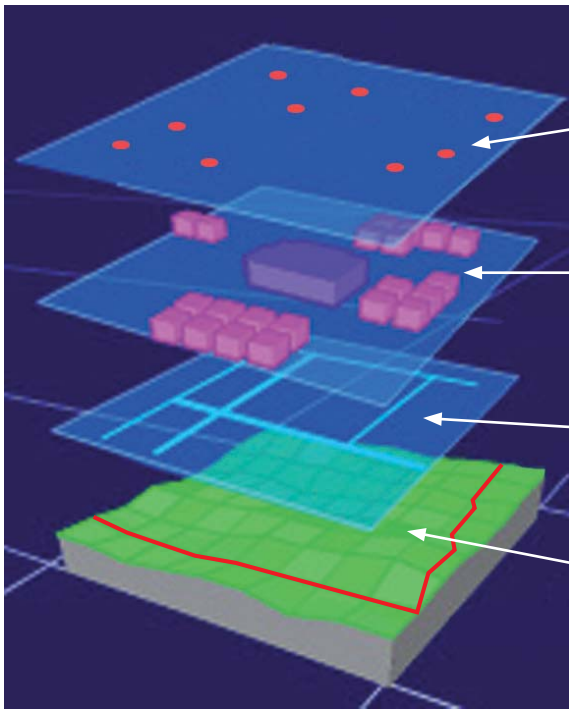
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(b) Study Figure 2b. It shows one use of Geographical Information Systems (GIS).



- 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.

(3)

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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



SECTION B – CHALLENGES FOR THE PLANET

Answer ALL questions in this section

3 (a) Study Figure 3a. It shows two images.



Figure 3

(i) The images in Figure 3 show producers of methane which is a cause of current climate change.

Which one produces the most?

(1)

(ii) State one other source of methane.

(1)

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

Suggest reasons why.

(3)



H 3 7 0 8 2 A 0 9 1 2

(iv) Explain how the burning of fossil fuels contributes to current climate change. (4)

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(v) Describe the **negative** effects that climate change is having on the environment. (4)

Use examples in your answer.

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(Total for Question 3 = 13 marks)



*(b) Explain 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.

(Total for Question 4 = 12 marks)

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

