

Write your name here

Surname

Other names

Centre Number

Candidate Number

Edexcel GCSE

Geography A

Unit 1: Geographical Skills and Challenges

Higher Tier

Thursday 14 June 2012 – Morning

Time: 1 hour

Paper Reference

5GA1H/01

You must have:

Resource Booklet (enclosed)

Ordnance Survey Map Extract (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.

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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) Study the Ordnance Survey (OS) map extract of the Ledbury and Malvern area and Figure 1a (photograph) in the Resource Booklet.

(i) The photograph was taken in grid square 7641 looking south east towards the village of Welland.

Name the land feature at **Z**.

(1)

(ii) Which **one** of the following abbreviations (symbols) can be seen on the map in grid squares 7939 and 7940 but cannot be seen on the photograph?

(1)

A public convenience

B milepost

C post office

D clubhouse

(iii) Describe the shape of Welland.

Use map and / or photographic evidence in your answer.

(3)

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(b) Study the OS map extract of the Ledbury and Malvern area and Figure 1b.

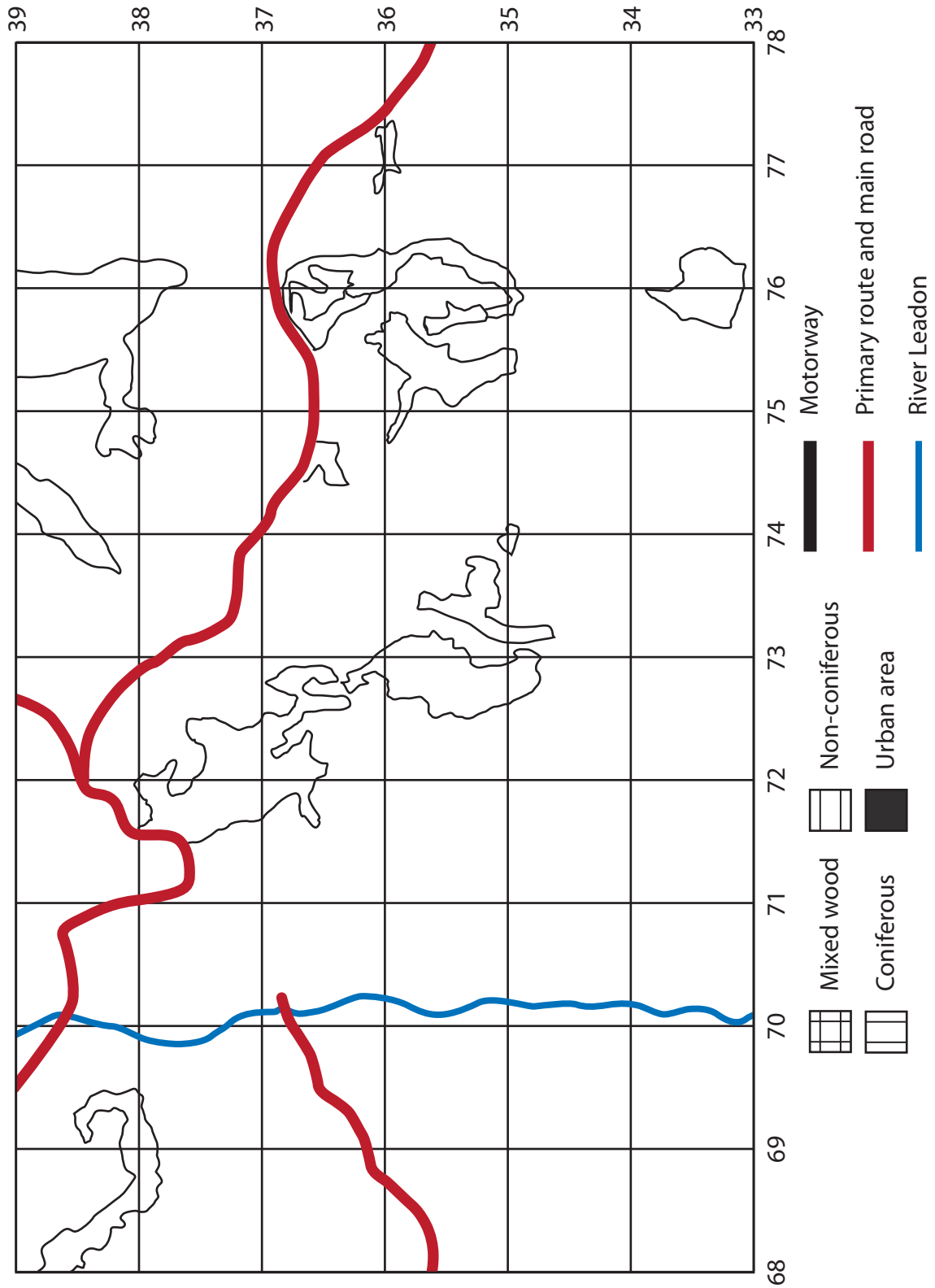


Figure 1b



(i) The outlines of some woodland areas have been drawn on Figure 1b.

Use the key provided on the sketch map to shade on Figure 1b.

(2)

1. **one** area of coniferous woodland

2. **one** area of non-coniferous woodland.

(ii) Mark the following on Figure 1b.

Use the key provided on the sketch map.

(2)

1. the M50 motorway

2. the urban area of Ledbury.

(c) Describe the land use in the area shown by the red rectangle on the OS map extract.

(4)

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(d) (i) State **one** difference between the land use in the area shown by Figure 1b and the land use in the area marked by a red rectangle on the OS map extract.

(1)

(ii) Suggest **one** reason for this difference.

(2)

(Total for Question 1 = 16 marks)



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Question 2 is on the next page



2 (a) Study Figure 2a.

It is an incomplete rose diagram showing some of the results of a questionnaire carried out in the car park in grid square 7640.

The bars show the direction from which people had travelled to visit the Malvern Hills.

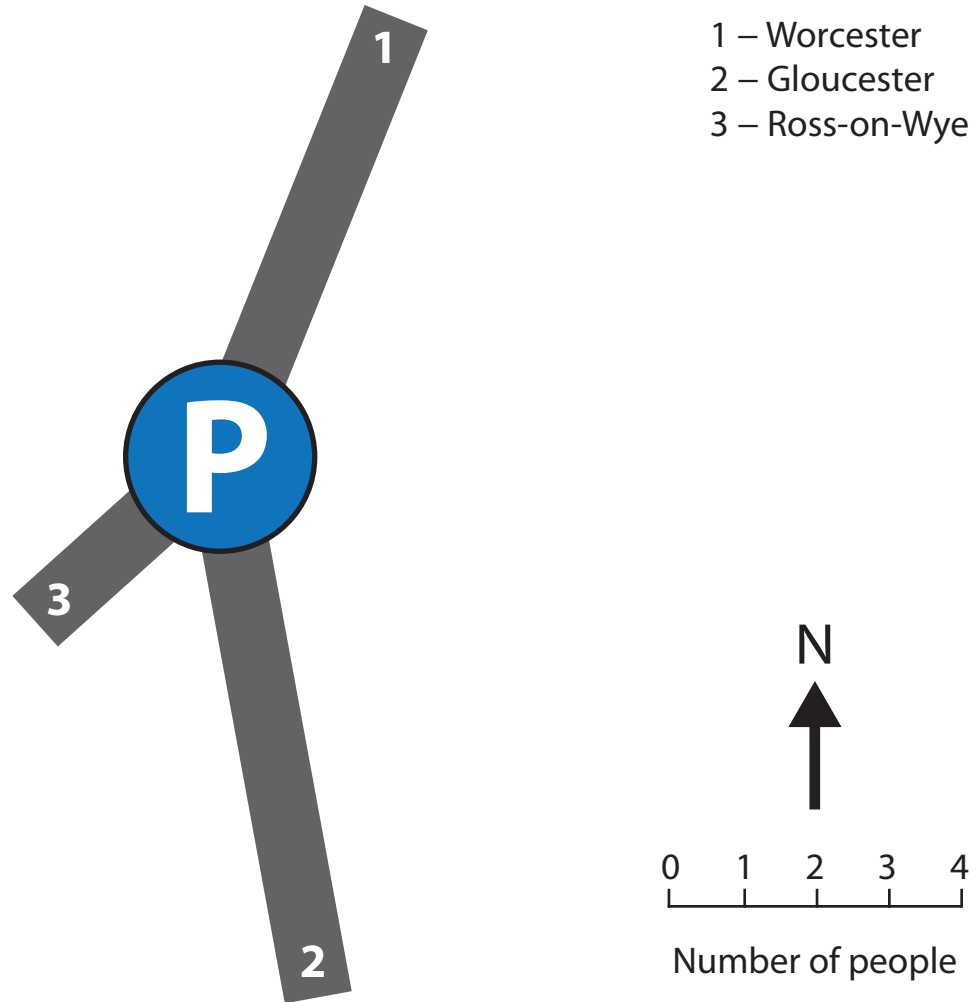


Figure 2a

(i) In which direction would you travel from Ross-on-Wye to the car park? (1)

(ii) Complete Figure 2a with the information below drawn in approximately the correct direction.

Use the OS map extract to help you. (3)

Where have you travelled from today?	Number of people
Wellington Heath (7140)	6
Upton upon Severn (8540)	3



(iii) Suggest **one** reason why a rose diagram is the best way to present this type of data.

(1)

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(b) Students found out some more information about the places from which people had travelled.

This is shown in Figure 2b.

Where have you travelled from today?	Number of people	Distance to car park (km)	Population of settlement
Worcester	5	20	93,000
Gloucester	6	35	110,000
Ross-on-Wye	2	30	10,000
Wellington Heath	6	10	500
Upton upon Severn	3	10	3,000

Figure 2b

Explain the results shown in Figure 2b.

Use evidence in your answer.

(4)

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(Total for Question 2 = 9 marks)

TOTAL FOR SECTION A = 25 MARKS

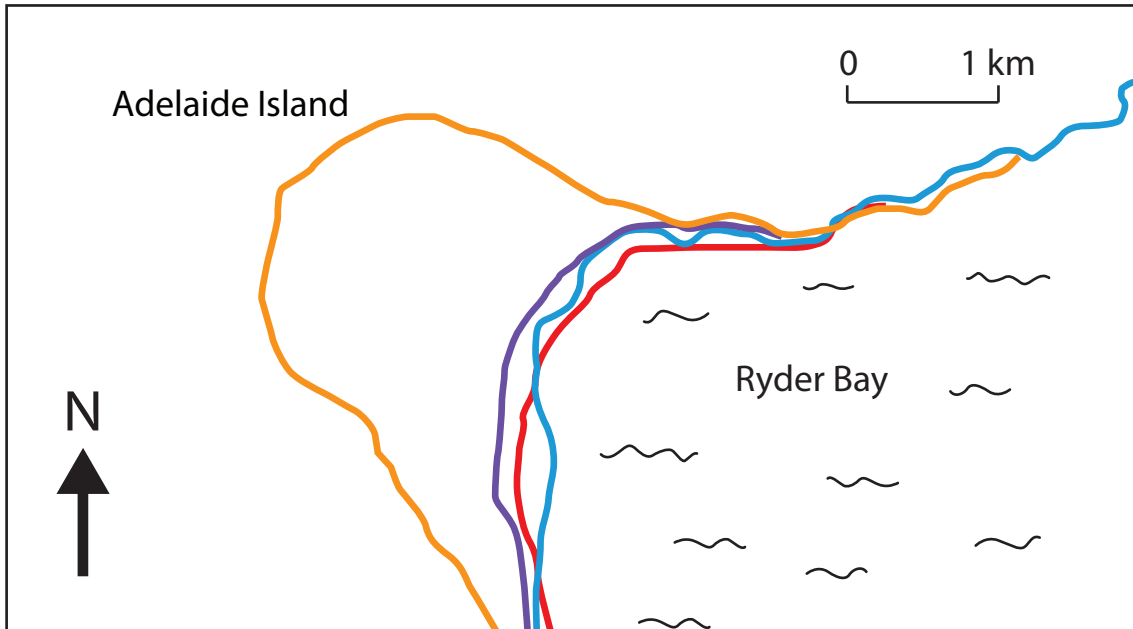


SECTION B – CHALLENGES FOR THE PLANET

Answer ALL questions in this section.

3 (a) Study Figure 3.

It shows the retreat of the Sheldon Glacier in Antarctica between 1947 and 2007.







Key	
Position of glacier front	Year
	2007
	1987
	1967
	1947

Figure 3



(i) What is the maximum retreat, to the nearest kilometre, of the Sheldon Glacier between 1947 and 2007?

(1)

..... km

(ii) In which 20 year period was the maximum retreat?

(1)

(iii) Outline **one** cause of climate change on a local or global scale.

(3)

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(b) One negative effect of climate change is the retreat of glaciers.

Explain **two** other negative effects of climate change.

(6)

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(Total for Question 3 = 11 marks)



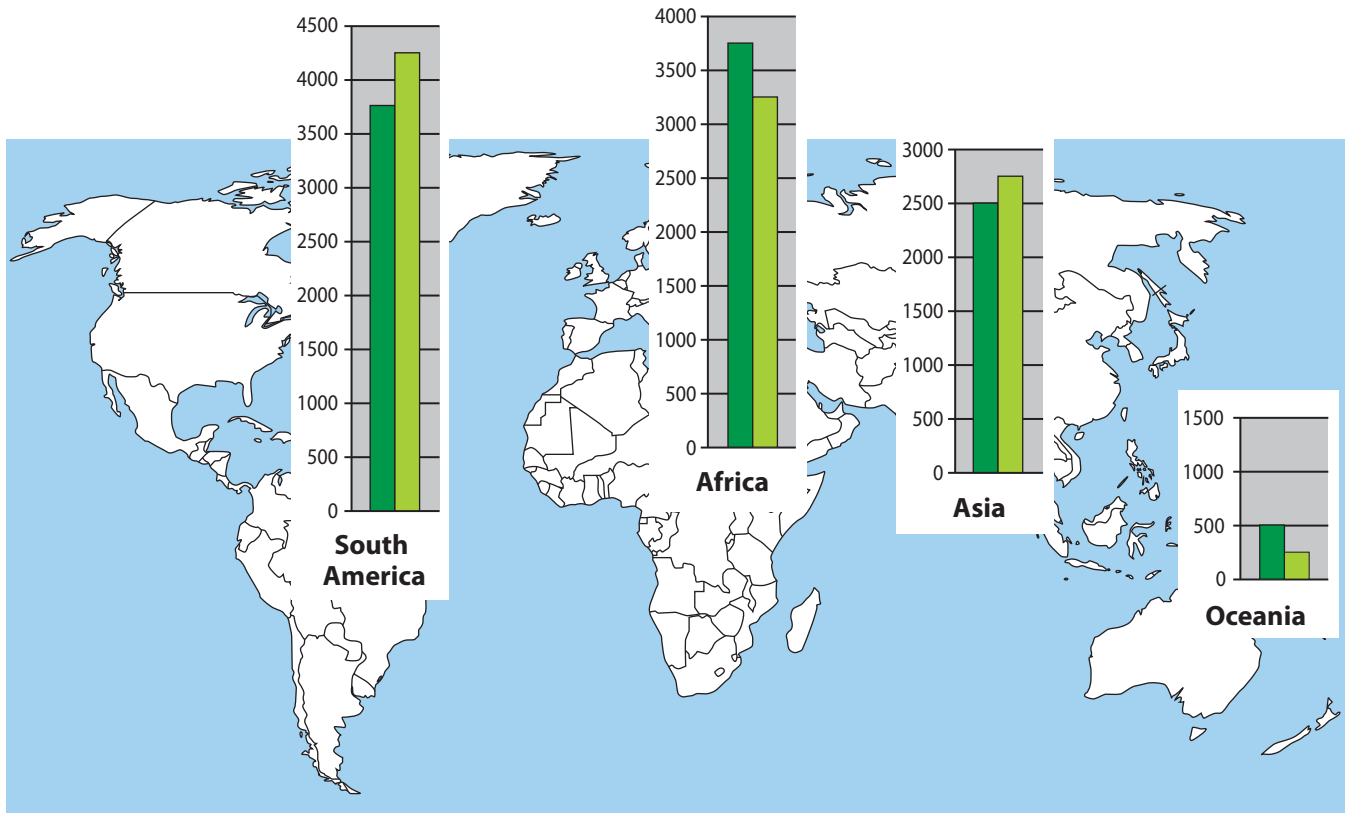
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Question 4 is on the next page



4 (a) Study Figure 4.

It shows the destruction of the tropical rainforest.



Key

Thousands of hectares
of rainforest destroyed

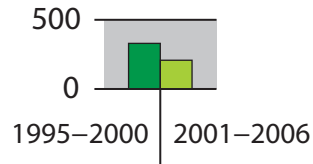


Figure 4



- (i) Describe the changes in tropical rainforest destruction between 1995–2000 and 2001–2006.

Use rainforest destruction data in your answer.

(4)

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- (ii) Outline the effects of resource exploitation on tropical rainforest areas.

Use examples in your answer.

(4)

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

Use located examples of sustainable transport schemes in your answer.

(6)

Dotted lines for writing the answer.

(Total for Question 4 = 14 marks)

TOTAL FOR SECTION B = 25 MARKS

TOTAL FOR PAPER = 50 MARKS

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Edexcel GCSE

Geography A

Unit 1: Geographical Skills and Challenges

Paper 1F and 1H

Thursday 14 June 2012 – Morning

Resource Booklet

Paper Reference

5GA1F/01

5GA1H/01

Do not return the resource booklet with the question paper.

Information

This Resource Booklet contains a photograph needed for use with the Unit 1: Geographical Skills and Challenges examination.

This Resource Booklet is for use with both foundation and higher tiers.

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Figure 1a



Four colours should appear above; if not then please return to the invigilator. Four colours should appear above; if not then please return to the invigilator.

ROADS AND PATHS

Legend for roads and paths including junction numbers, service areas, motorways, primary routes, main roads, secondary roads, narrow roads, and various types of bridges and tunnels.

RAILWAYS

Legend for railways including multiple or single tracks, tracks under construction, sidings, tunnels, and light rapid transit systems.

WATER FEATURES

Legend for water features including marsh, aqueduct, canal, lake, weir, footbridge, bridge, ford, beacon, sand dunes, cliff, lighthouse, and mud.

HEIGHTS

Legend for heights including contours at 10 metres vertical intervals and triangulation pillars.

PUBLIC RIGHTS OF WAY

Legend for public rights of way including footpaths, bridleways, restricted byways, and byways open to all traffic.

OTHER PUBLIC ACCESS

Legend for other public access including on-road cycle routes, traffic-free cycle routes, National Cycle Network, and National Trails.

BOUNDARIES

Legend for boundaries including National, District, County, and National Park boundaries.

TOURIST INFORMATION

Legend for tourist information including camp sites, gardens, golf courses, information centres, nature reserves, parking, picnic sites, recreation centres, and viewpoints.

LAND FEATURES

Legend for land features including electricity transmission lines, buildings, bus stations, places of worship, heliports, masts, wind turbines, windmills, gratulic intersections, cutting/embankment, woodlands, orchards, and park/ornamental ground.

ABBREVIATIONS

Legend for abbreviations including Bridge, Cemetery, Cattle grid, Clubhouse, Farm, House, Milepost, Milestone, Museum, Post office, Public convenience, Public house, School, and Town Hall.

