

Write your name here

Surname

Other names

Centre Number

Candidate Number

**Edexcel GCSE**

# Geography A

## Unit 1: Geographical Skills and Challenges

**Higher Tier**

Monday 13 June 2011 – 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 ►

P38862A

©2011 Edexcel Limited.

6/6/5/3



P 3 8 8 6 2 A 0 1 1 2

**edexcel**   
advancing learning, changing lives

**BLANK PAGE**



## SECTION A – GEOGRAPHICAL SKILLS

Answer ALL questions in this section.

- 1 (a) Study the Ordnance Survey (OS) map extract of Durham and Figure 1a (photograph) in the Resource Booklet.

The photograph was taken in grid square 2742 from the cathedral tower facing approximately east. It shows an area 9 to 10 kms away.

Find the area that the photograph shows.

Complete the table below.

(3)

Letter on photograph	Instruction	Space for answer
R	Name the village	.....
S	Give the grid reference of this feature	.....
T	Name the feature	.....

- (b) Describe the site and situation of Durham.

Use map evidence in your answer.

(3)

.....

.....

.....

.....

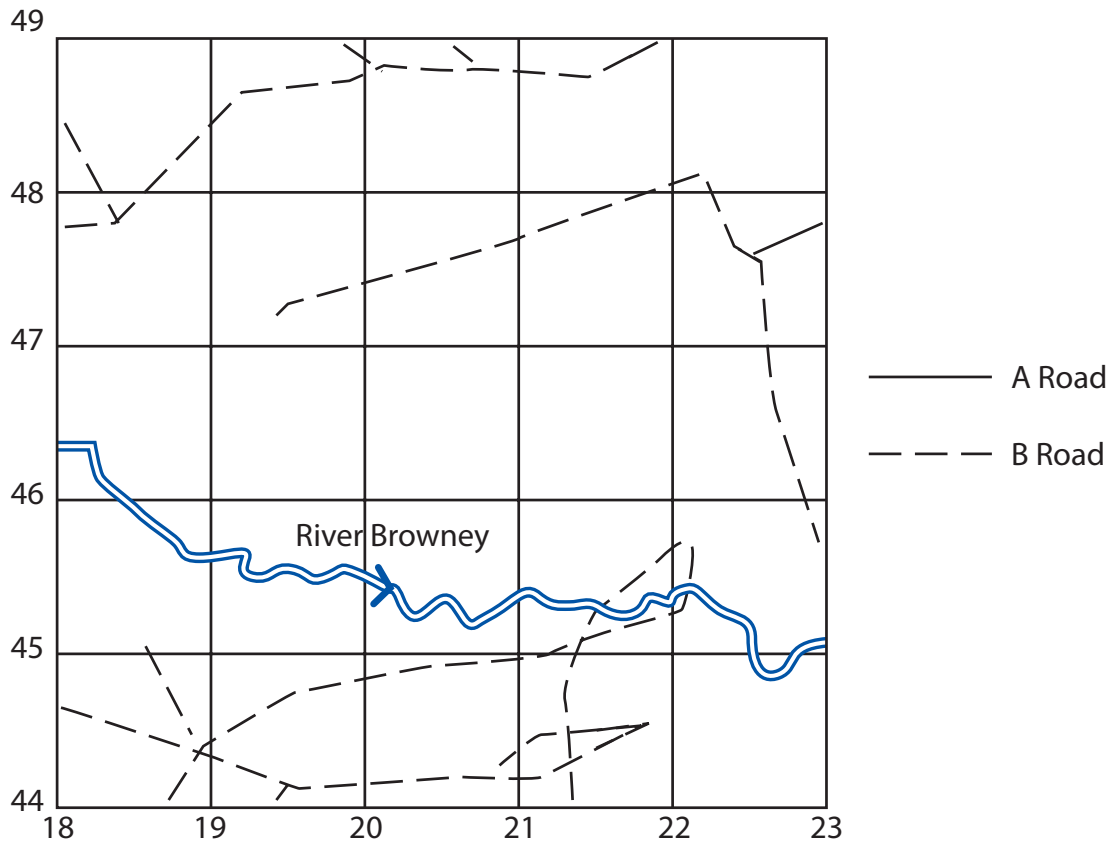
.....

.....



(c) Study Figure 1b.

It is a sketch map of part of the OS map extract.  
Also study the OS map extract.



**Figure 1b**

- (i) 1. Complete the table below by adding the correct symbol.  
2. Locate the features on the sketch map using the correct symbol.

(3)

Feature	Four figure grid reference	Symbol
Post office	1848	
Telephone	2144	
Mast	2248	



(ii) The road network on the sketch map is incomplete.

Complete the road network by adding the A road.

(1)

(iii) Describe the section of the River Browney and its valley which is shown on the sketch map.

Use map evidence in your answer.

(4)

.....

.....

.....

.....

.....

.....

.....

.....

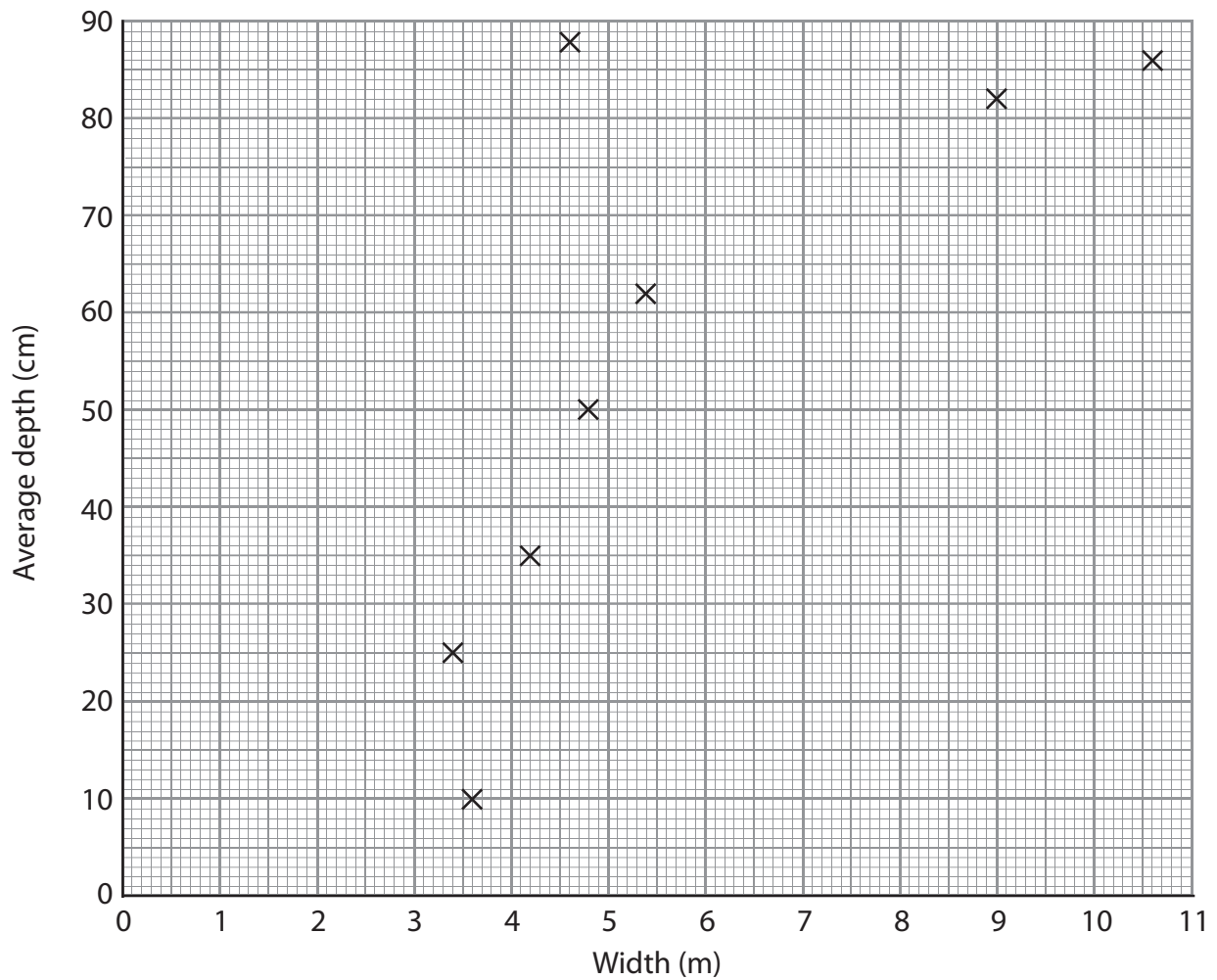
.....

**(Total for Question 1 = 14 marks)**



2 (a) The figures in the table show river data collected by a field study group.

The figures are for 10 sites on the River Browney between Lanchester and Durham.



**Figure 2**

(i) Complete the scattergraph (Figure 2) for sites 7 and 8.

Use the data in the table below.

(2)

Site	Width (m)	Average depth (cm)
1	3.6	10
2	3.4	25
3	4.2	35
4	4.8	50
5	5.4	62

Site	Width (m)	Average depth (cm)
6	4.6	88
<b>7</b>	<b>5.8</b>	<b>70</b>
<b>8</b>	<b>7.0</b>	<b>75</b>
9	9.0	82
10	10.6	86



(ii) Give **one** reason why a scattergraph is a good way of displaying this type of data.

(2)

.....

.....

.....

.....

(iii) Describe how the width and depth of the River Browney change as it flows from site 1 to site 10.

Use data in your answer.

(4)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(b) Describe **one** way that ICT can be used to prepare for fieldwork **or** to collect fieldwork data.

(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) Study Figure 3.

It shows some newspaper comments about the discussions between world leaders at the Copenhagen Summit on Climate Change.

### The Copenhagen Times

#### Countries offered cash for trees!

Many countries are still cutting down trees. These countries will be offered money in return for reduced rates of deforestation. The deal aims to provide \$30 billion a year in aid to LICs for the next 3 years.

### The NEW YORK Review

USA offers to cut emissions by 4%

### The Daily Event

European Union offers to cut emissions by 20%

### GULF NEWS

World leaders promise global temperature will not rise by more than 2°C

### SUDAN TODAY

Low Income Countries (LICs) demand a 25–40% cut in global emissions.

Figure 3

(i) By how much are the EU and the USA prepared to reduce their carbon emissions?

(1)

(ii) What is the total amount of aid to be given to LICs over the next 3 years?

(1)





(iii) The world leaders were keen to reduce deforestation.

Suggest reasons why.

(2)

.....

.....

.....

(iv) One of the promises was to stop temperatures rising by more than 2°C.

Outline the negative effects of a rise in global temperatures.

(4)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(b) Explain **one** local response to climate change.

(3)

.....

.....

.....

.....

.....

.....

.....

**(Total for Question 3 = 11 marks)**



4 (a) Study Figure 4 (photograph) in the Resource Booklet.

It shows part of the congestion charge zone in Durham.

(i) What is meant by the term congestion charge?

(2)

.....

.....

.....

.....

(ii) Give reasons why cities like Durham have introduced congestion charging.

(3)

.....

.....

.....

.....

.....

.....

.....

(iii) Outline **one** other way that traffic can be managed in urban areas.

(3)

.....

.....

.....

.....

.....

.....

.....



\*(b) Explain the effects of resource extraction on tropical rainforest areas.

Use examples 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**



**BLANK PAGE**



**Edexcel GCSE**

# **Geography A**

**Unit 1: Geographical Skills and Challenges**

**Paper 1H**

Monday 13 June 2011 – Morning

**Resource Booklet**

Paper Reference

**5GA1H/01**

**Do not return the resource booklet with the question paper.**

## **Information**

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

This Resource Booklet is for use with the higher tier paper only.

*Turn over* ►

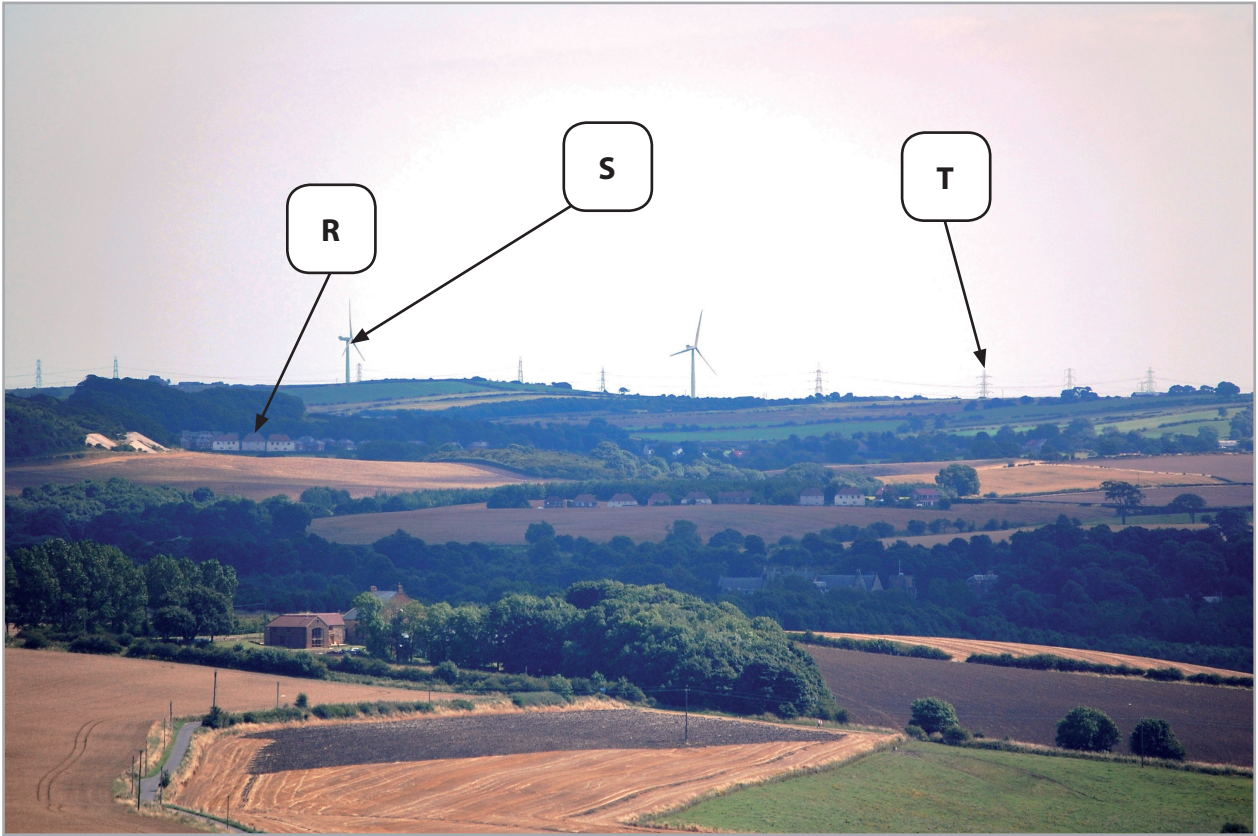
**P38862A**

©2011 Edexcel Limited.

6/6/5/3



**edexcel**   
advancing learning, changing lives



**Figure 1a**



Figure 4

**BLANK PAGE**



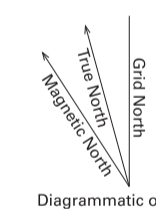
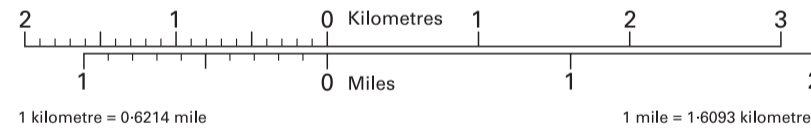


Four colours should appear above; if not then please return to the invigilator.  
Four colours should appear above; if not then please return to the invigilator.



Scale 1: 50 000

2 centimetres to 1 kilometre (one grid square)



**ROADS AND PATHS** Not necessarily rights of way

	Motorway (dual carriageway)
	Primary Route (recommended through route)
	Main road
	Road under construction
	Secondary road
	Narrow road with passing places
	Road generally more than 4m wide
	Road generally less than 4m wide
	Path / Other road, drive or track
	Gradient: steeper than 20% (1 in 5), 14% to 20% (1 in 7 to 1 in 5)
	Gates, Road tunnel
	Ferry (passenger), Ferry (vehicle)

**RAILWAYS**

	Track multiple or single		Bridges, footbridge
	Track under construction		Level crossing
	Siding		Viaduct, embankment
	Tunnel, cuttings		Station, (a) principal
	Light rapid transit system, narrow gauge or tramway		Light rapid transit system station

**WATER FEATURES**

**HEIGHTS** 1 metre = 3-2808 feet

Contours are at 10 metres vertical interval

Heights are to the nearest metre above mean sea level

Where two heights are shown the first height is to the base of the triangulation pillar and the second (in brackets) to the highest natural point of the hill

**PUBLIC RIGHTS OF WAY**

	Footpath
	Bridleway
	Restricted byway
	Byway open to all traffic

The symbols show the defined route so far as the scale of mapping will allow.

**The representation on this map of any other road, track or path is no evidence of the existence of a right of way. Not shown on maps of Scotland**

**Danger Area** Firing and Test Ranges in the area. Danger! Observe warning notices.

**LAND FEATURES**

	Electricity transmission line (pylons shown at standard spacing)
	Pipeline (arrow indicates direction of flow)
	Buildings
	Important building (selected)
	Bus or coach station
	Place of worship
	Glass structure
	Triangulation pillar
	Mast
	Wind pump, wind turbine
	Windmill with or without sails
	Graticule intersection at 5' intervals
	Cutting, embankment
	Landfill site or slag/spoil heap
	Coniferous wood
	Non-coniferous wood
	Mixed wood
	National Trust (always open / limited access, observe local signs)

**TOURIST INFORMATION**

	Camp site / caravan site
	Garden
	Golf course or links
	Information centre (all year / seasonal)
	Nature reserve
	Parking, Park and ride (all year / seasonal)
	Picnic site
	Recreation / leisure / sports centre
	Selected places of tourist interest
	Telephone, public / roadside assistance
	Viewpoint
	Visitor centre
	Walks / Trails
	World Heritage site or area
	Youth hostel

**ABBREVIATIONS**

Br	Bridge	MS	Milestone
Cemy	Cemetery	Mus	Museum
CG	Cattle grid	P	Post office
CH	Clubhouse	PC	Public convenience (in rural areas)
Fm	Farm	PH	Public house
Ho	House	Sch	School
MP	Milepost	TH	Town Hall, Guildhall or equivalent

**BOUNDARIES**

	National
	District
	County, Unitary Authority, Metropolitan District or London Borough
	National Park

**ANTIQUITIES**

	Site of antiquity
	Battlefield (with date)
	Visible earthwork
	ROMAN VILLA
	Non-Roman Castle

Extract produced by Ordnance Survey 2010. Licence: 100021650  
© Crown copyright 2010. All rights reserved.

Ordnance Survey, OS, the OS Symbol and Landranger are registered trademarks of Ordnance Survey, the national mapping agency of Great Britain. Reproduction in whole or in part by any means is prohibited without the prior written permission of Ordnance Survey. For educational use only.