

Write your name here

Surname

Other names

Pearson
Edexcel GCSE

Centre Number

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Candidate Number

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Geography A

Unit 1: Geographical Skills and Challenges

Foundation Tier

Tuesday 13 May 2014 – Afternoon

Time: 1 hour

Paper Reference

5GA1F/01

You must have:

Resource Booklet (enclosed)

Ordnance Survey Map Extract (enclosed)

Total Marks

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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 54.
- 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.*
- The marks available for spelling, punctuation and grammar are clearly indicated.

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ►

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P 4 3 0 6 2 R A 0 1 1 2

PEARSON

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 and Figure 1 in the Resource Booklet.

The following questions are multiple choice. Put a cross in the box of the answer that you select. **There is only one correct answer to each question.**

- (i) What is the four-figure grid reference for the grid square containing the small village of Rooks Bridge (on the northern edge of the map extract 1 km east of the M5)?

(1)

- A 3444
- B 4347
- C 3652
- D 3050

- (ii) Figure 1 shows a photograph taken from the summit of Brent Knoll (341509). In approximately which direction was the camera pointing?

(1)

- A north
- B south
- C east
- D west

- (b) Describe the **pattern** of roads in the area to the south of Mark (3747) and north of the River Brue (3844).

(2)

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.....



(c) Burtle (3943) is a village found in the south east of the map extract.

Complete the paragraph by filling in the gaps using some of the words in the box below.

(5)

**flooding high Cripps contour drought
north low Brue west electricity**

Burtle is found on ground, located between the
River and the South Drain.

There are no lines found near Burtle.

The flat land means that the area is liable to

To the of Burtle there is a dismantled railway.

(d) Describe the **shape** of the settlement at Wedmore (4347).

(2)

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.....

(e) What is the distance along the Huntspill River between Gold Corner (367432) and where it passes under the railway (318444)?

(1)

- A** 5km
- B** 6km
- C** 7km
- D** 8km



(f) There are a number of places of tourist interest shown on the map.

Complete the table below by giving an example of tourist interest found in each of the grid squares shown.

An example row has been completed for you.

(2)

Grid square	Example of place of tourist interest
3447	Cider Farm
3947	
4041	

(Total for Question 1 = 14 marks)



2 (a) Study Figure 2 in the Resource Booklet.

(i) Using data from the survey, compare the different activities of visitors to Burnham-on-Sea aged **30–50**.

(2)

.....

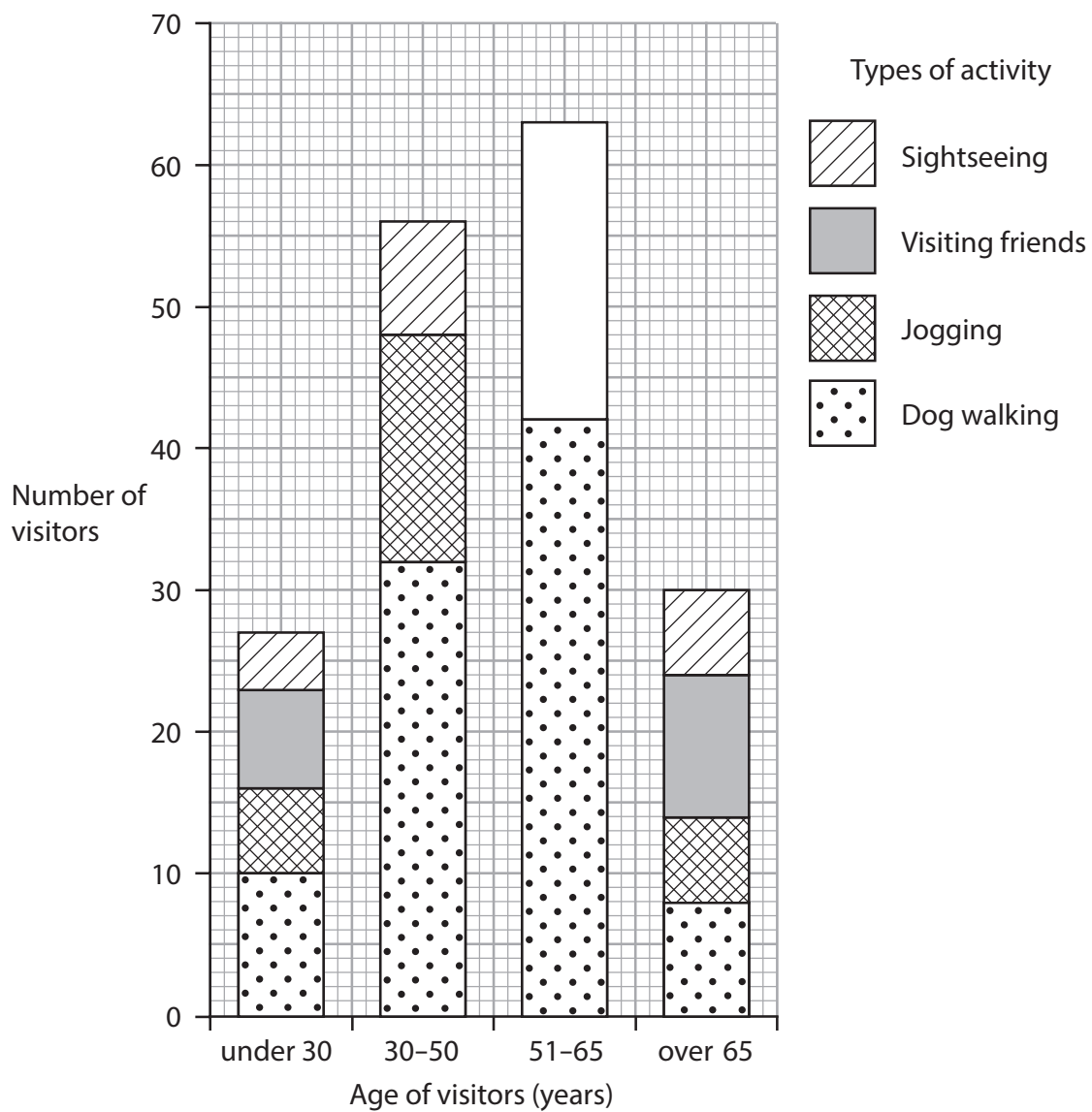
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(ii) Using the data in Figure 2, complete the compound bar chart below for the ages 51–65.

(2)



(b) Students evaluated the results of this visitor survey in Burnham-on-Sea (Figure 2).

Which of the following best describes **one** limitation of this survey?

(1)

- A** It was only carried out on one day.
- B** The weather was very hot.
- C** It was only carried out in Burnham.
- D** Only visitors over 50 years of age were surveyed.

(Total for Question 2 = 5 marks)



***3** Study Figures 3a and 3b in the Resource Booklet.

Describe how you would **use** the internet and GIS (Geographical Information Systems) to investigate flood risk and its impacts.

Internet

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GIS

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(Total for Question 3 = 6 marks)

TOTAL FOR SECTION A = 25 MARKS



SECTION B – CHALLENGES FOR THE PLANET

Answer ALL questions in this section.

Spelling, punctuation and grammar will be assessed in 5*(b).

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

(i) Choose **one** statement from each of the **two lists** below which best describes the different greenhouse gas predictions.

(2)

List 1	List 2
“Business as usual” suggests that global greenhouse gas emissions after 2010 will:	“Better management” suggests that global greenhouse gas emissions after 2010 will:
<input type="checkbox"/> A stay constant at 2010 levels	<input type="checkbox"/> A slowly decrease
<input type="checkbox"/> B increase much more rapidly than 2000 to 2010	<input type="checkbox"/> B stay the same
<input type="checkbox"/> C increase at a similar rate from 2000 to 2010	<input type="checkbox"/> C increase more than “Business as usual”
<input type="checkbox"/> D slowly decrease from 2010 levels	<input type="checkbox"/> D continue slowly increasing

(ii) Which **one** of the following gases is thought to contribute most to climate change?

(1)

- A** methane
- B** hydrogen
- C** oxygen
- D** nitrogen

(iii) Outline **one human** cause that contributes to an increase in the amount of greenhouse gases in the Earth’s atmosphere.

(2)

.....

.....

.....

.....



(b) Complete the sentences about responses to climate change.

Use some of the words in the box below.

(5)

**governments national global renewables local
energy waste emissions atmosphere lithosphere**

There is a range of responses to climate change from
both to individuals at a
more scale.

Some people have tried to reduce their environmental impact by
using less and doing more recycling.

Some governments have agreed to cut carbon
so reducing the amount of carbon dioxide released into
the

(c) Look again at the OS map extract of the area to the east of Burnham-on-Sea.

(i) Future sea level rise is one worry for people who live in this area.

Which of the following **two** grid squares are **most** at risk of future flooding
due to sea level rise?

(2)

- A** 4150
- B** 4052
- C** 4147
- D** 3644
- E** 3046
- F** 3451



(ii) Describe **one** feature that shows people have tried to manage water levels in this area.

Use evidence from the OS map extract in your answer.

(2)

.....

.....

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.....

(d) Describe the negative effects of rising sea levels.

(3)

.....

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.....

.....

(Total for Question 4 = 17 marks)



5 (a) Briefly describe **two** examples of policies or actions that large organisations can use to become more sustainable.

(2)

Policy/Action 1

.....
.....

Policy/Action 2

.....
.....



*(b) Using examples, explain how sustainable schemes can be used to manage **transport** in urban areas.

(6)

Dotted lines for writing the answer.

(Total for spelling, punctuation and grammar = 4 marks)
(Total for Question 5 = 12 marks)

TOTAL FOR SECTION B = 29 MARKS
TOTAL FOR PAPER = 54 MARKS



Pearson Edexcel GCSE

Geography A

Unit 1: Geographical Skills and Challenges

Paper 1F and 1H

Tuesday 13 May 2014 – Afternoon

Resource Booklet

Paper Reference

5GA1F/01

5GA1H/01

Do not return the Resource Booklet with the question paper.

Information

This Resource Booklet contains photographs, maps and diagrams 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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SECTION A – GEOGRAPHICAL SKILLS



Figure 1 – A view from the summit of Brent Knoll (341509).

Activity	Age				Totals
	Under 30	30-50	51-65	Over 65	
Dog walking	10	32	42	8	92
Jogging	6	16	12	6	40
Visiting friends	7	0	0	10	17
Sightseeing	4	8	9	6	27
Totals	27	56	63	30	176

Figure 2 – Results from a survey of visitors to Burnham-on-Sea, January 19th 2013.

Calls for emergency action as Somerset Levels farmers face flood disruption



 Western Morning News  Follow

Monday, June 25, 2012

Farmers on the Somerset Levels may have to wait until at least the end of the year before their land can be replanted after serious flooding over the last few weeks.

Days of heavy rain brought fresh flooding and more misery for farmers in the area with more rain to fall over the weekend.



The River Brue on the Somerset Levels about to flood, with Glastonbury Tor in the distance

(Source: adapted from <http://www.thisissomerset.co.uk/story-16446865-detail/story.html#axzz2LWrEvhZr>)

Figure 3a – An extract from a website showing the impacts of flooding for local farmers on the Somerset Levels.

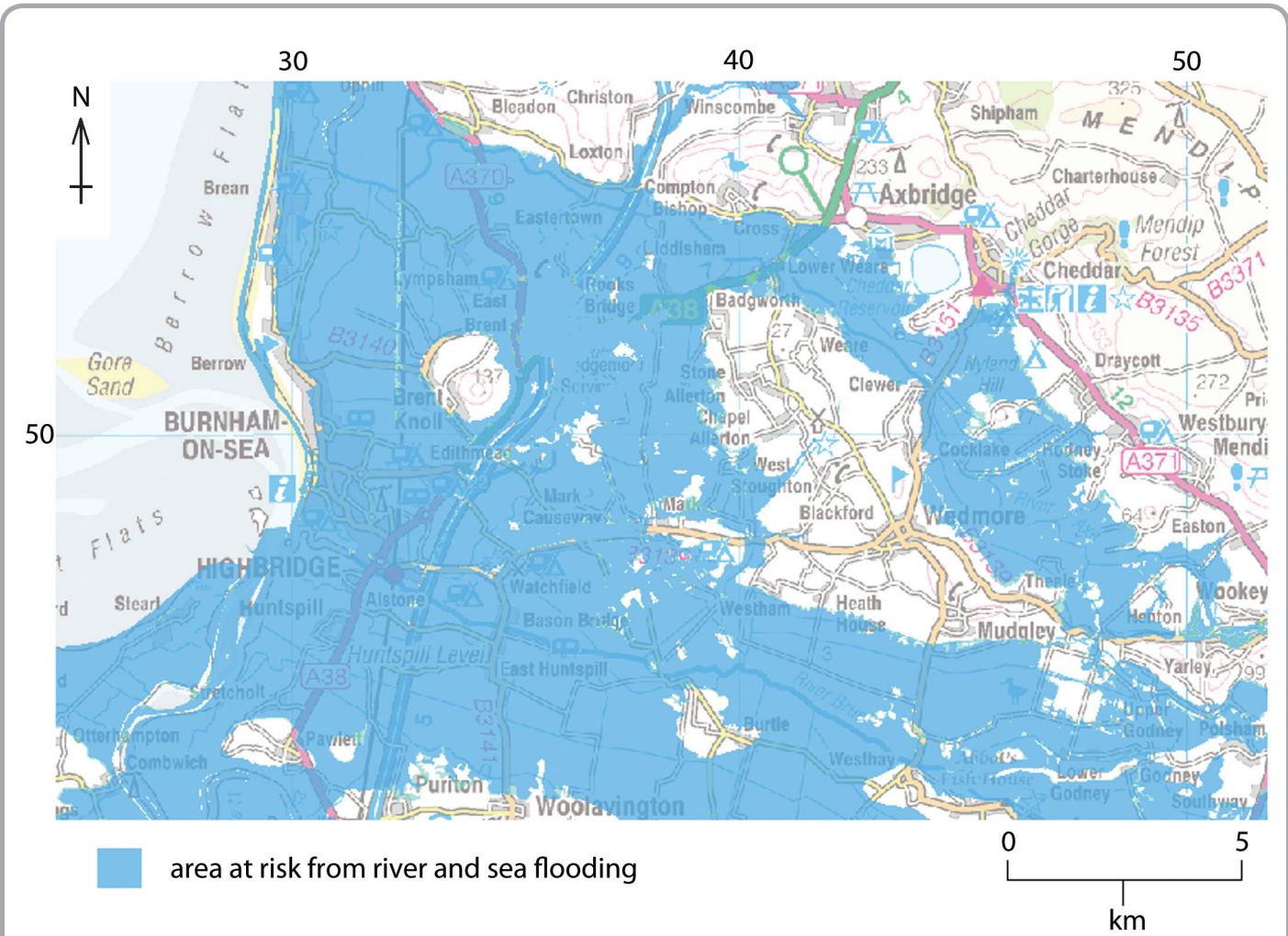


Figure 3b – An Environment Agency GIS map showing flood risk (from rivers and the sea) around Burnham-on-Sea, Somerset.

SECTION B – CHALLENGES FOR THE PLANET

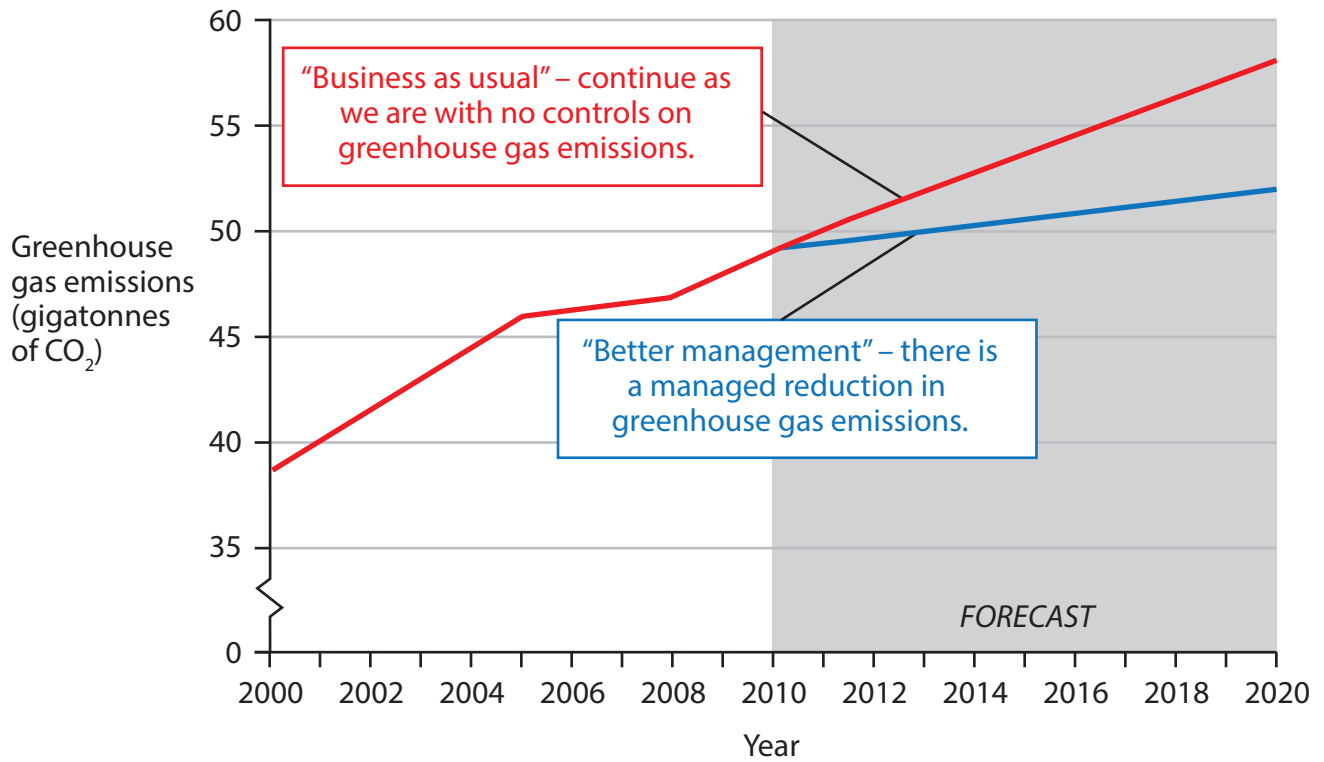


Figure 4 – Two predictions made in 2010 about global greenhouse gas emissions.

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ROADS AND PATHS	Not necessarily rights of way
Junction number	
Service area	
Elevated	
M1	
Unfenced	
A 470	Dual carriageway
A 493	Footbridge
B 4518	
A 855	Bridge
B 885	
	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 P	Ferry (passenger), Ferry (vehicle)
Ferry V	

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

WATER FEATURES	
	Marsh or salting
	Towpath
	Lock
	Ford
	Beacon
	Flat rock
	Lighthouse (in use)
	Lighthouse (disused)
	Low water mark
	High water mark
	Canal (dry)

HEIGHTS	
	1 metre = 3.2808 feet
	Contours are at 10 metres vertical interval
	Outcrop
	Cliff
	Scree
	Heights are to the nearest metre above mean sea level

PUBLIC RIGHTS OF WAY	OTHER PUBLIC ACCESS

BOUNDARIES	ANTIQUITIES

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

LAND FEATURES	
	Electricity transmission line (pylons shown at standard spacing)
	Pipe line (arrow indicates direction of flow)
	Buildings
	Important building (selected)
	Bus or coach station
	Current or former place of worship (with tower, with spire, minaret or dome)
	Place of worship
	Glass structure
	Heliport
	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
	Orchard
	Park or ornamental ground
	Forestry Commission land
	National Trust (always open / limited access, observe local signs)
	National Trust for Scotland (always open / limited access, observe local signs)

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

