Edexcel GCSE

Centre Number

Candidate Number

Geography B
Unit 2: People and the Planet

Higher Tier

Wednesday 12 June 2013 – Morning
Time: 1 hour

Paper Reference

5GB2H/01

You do not need any other materials.

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.
- In Section **A**, answer **all** questions.
- In Section **B**, answer **either** question **5** or **6**.
- In Section **C**, answer **either** question **7** or **8**.
- Answer the questions in the spaces provided
  – *there may be more space than you need*.

Information

- The total mark for this paper is 53.
- 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.
- The marks available for spelling, punctuation and grammar are clearly indicated.

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Check your answers if you have time at the end.

Turn over ▶

SECTION A – INTRODUCTION TO PEOPLE AND THE PLANET

Answer ALL questions.

Topic 1: Population Dynamics

1 Study Figure 1.

Key
age group
- 65 and over
- 20 – 64
- 0 – 19
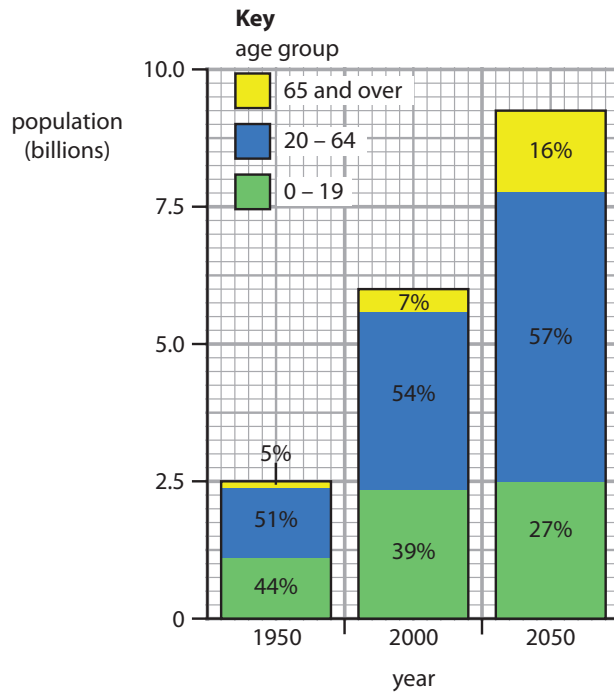
Figure 1 – The changing size and age structure of global population, 1950–2050

(a) Describe the changes in the **age structure** of the global population.

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(b) Outline **one** reason **why** some governments encourage women to have more children.

(2)

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(c) Explain why migration policies are often controversial.

(3)

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(Total for Question 1 = 8 marks)

Topic 2: Consuming Resources

2 Study Figure 2.

Before mining – 1990   **After mining – 2012**

Figure 2 – The impact of mining (extracting oil from sands) in Canada

(a) Describe the possible impacts of this mining on the environment.

(2)

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(b) Explain why some resources may never run out.

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(c) Describe how the **demand** for a named resource might be reduced.

(3)

Named resource ....

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(Total for Question 2 = 8 marks)

Topic 3: Living Spaces

3 Study Figure 3.

"We're waiting for the city to come to us..."

Figure 3 – A cartoon showing some aspects of urban growth

(a) Suggest **one positive** impact of rapid urban growth on surrounding rural areas.

(2)

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(b) Describe **one** impact of a growing demand for space in some inner-city areas.

(2)

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(c) Explain how the choice of preferred living space may change as people get older.

(4)

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(Total for Question 3 = 8 marks)

4 Study Figure 4.

Figure 4 – Unemployment and informal economy rates in Mexico

(a) (i) Identify the three-month period in which the informal economy grew fastest.

(1)

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(ii) Suggest **one** reason why the informal economy tends to grow when
unemployment rises.

(2)

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(b) Outline **one** reason why the economy needs to be diversified in some rural areas.

(2)

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(c) For a named brownfield site describe the plans for its regeneration.

(3)

Named site ....

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(Total for Question 4 = 8 marks)

TOTAL FOR SECTION A = 32 MARKS

Answer ONE question in this section.

Topic 5: Changing Cities

If you answer Question 5 put a cross in this box ☒

5 Study Figure 5.

In American cities between 2000 and 2012, people were asked the following question in surveys.

'Have you done any of the following in the past year?'

Type of environmental action	Survey year				
	2000	2003	2006	2009	2012
Recycled paper, glass and other items	90	89	87	90	86
Reduced household energy use	83	80	85	85	82
Bought 'green' products	73	72	70	76	70
Used reusable shopping bags	52	55	59	65	72

Figure 5 – A table showing the percentage of people who answered 'Yes' for each environmental action

(a) Describes the trends in environmental actions.

(3)

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*(b) Using examples, explain how changes in transport systems can make cities more sustainable.

(6)

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(Total for Question 5 = 9 marks)

If you answer Question 6 put a cross in this box ☒

6 Study Figure 6.

Rank	Factor	Average score out of 10
1	Climate	8.1
2	Views and scenery	7.8
3	Garden/grounds	7.4
4	Peace and quiet	7.3
5	Transport links	7.0
6	Restaurants	6.4
7	Sports facilities	6.3
8	Security	6.2
9	Cultural attractions	6.1
10	Traditional architecture	6.0

Figure 6 – A survey of the most important factors considered when choosing second home locations in the UK

(a) Describe the importance of the natural environment when choosing second home locations.

(3)

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P 4 1 3 7 5 A 0 1 2 2 0

*(b) For a named rural area in a **developed** country, explain why tackling rural decline is so challenging.

(6)

Named rural area ....

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(Total for Question 6 = 9 marks)

TOTAL FOR SECTION B = 9 MARKS

Answer ONE question in this section.

Topic 7: Development Dilemmas

If you answer Question 7 put a cross in this box ☒

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

7 Study Figure 7.

fertility rate (average number of children per woman)

gross domestic product (GDP) per person in US$
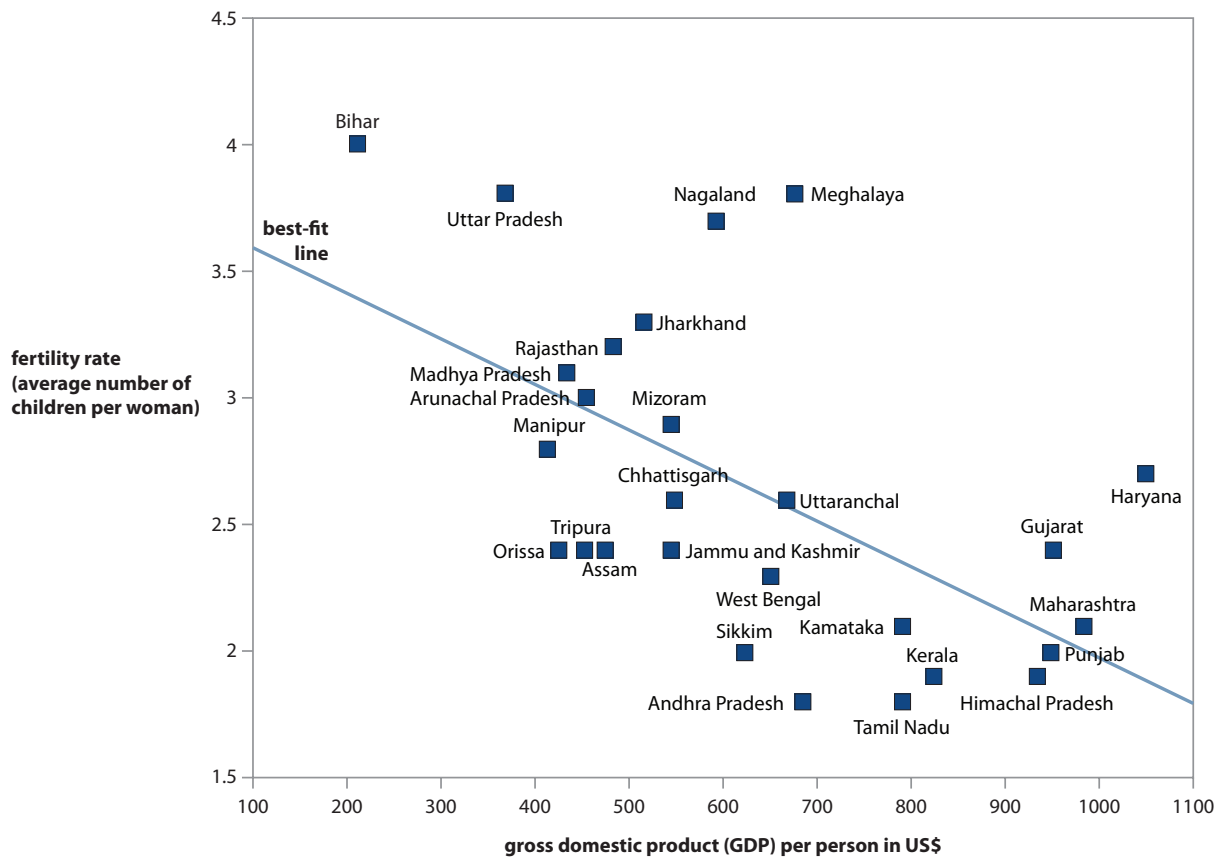
Figure 7 – The relationship between GDP per person and fertility rate for regions of India

(a) Describe the relationship between GDP per person and fertility rates.

(3)

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*(b) Using examples, explain why some rural development schemes are more sustainable than others.

(6)

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(Total for spelling, punctuation and grammar = 3 marks)

(Total for Question 7 = 12 marks)

8 Study Figure 8.

USA
■ Boeing
■ Spirit
■ GE
■ Goodrich

Australia
■ Boeing

Canada
■ Boeing
■ Messier-Dowty

Asia
■ Fuji
■ Mitsubishi
■ Kawasaki
■ KAL-ASD

Europe
■ Messier-Dowty
■ Rolls Royce
■ Latécoère
■ Alenia
■ Saab

Wing tips
Korea

Fixed trailing edge
Japan

Moveable trailing edge
Australia

Flap support fairings
Korea

Tail fin
USA

Tail cone
USA

Aft fuselage
Korea

Passenger entry doors
France

Aft fuselage
USA

Horizontal stabilizer
Italy

Wing
Japan

Nacelles
USA

Center fuselage
Italy

Main landing gear wheel well
Japan

Center wing box
Japan

Landing gear
UK

Mid forward fuselage
Japan

Forward fuselage
USA

Cargo access doors
Sweden

Wing/body fairing
Landing gear doors
Canada

Engines
UK
USA

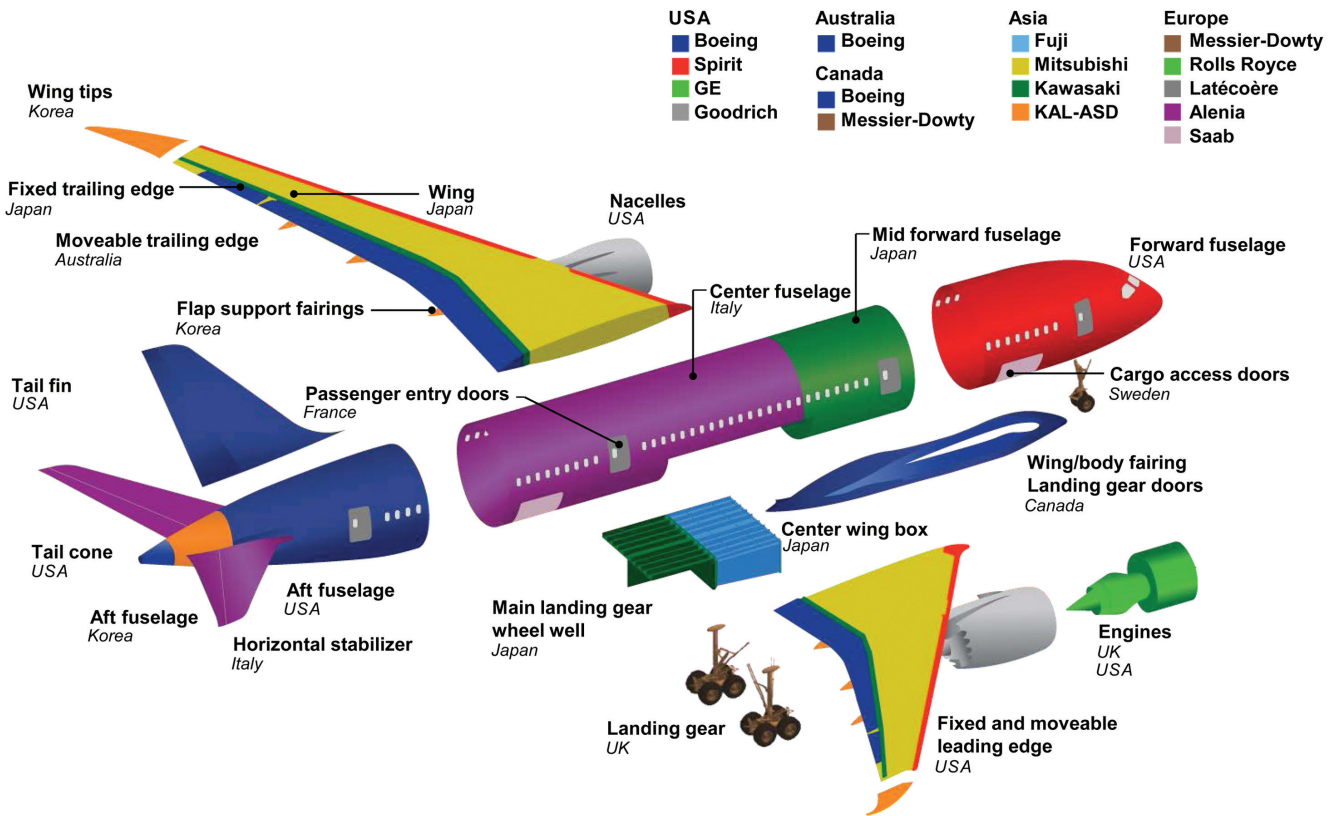**Fixed and moveable leading edge**
USA

Figure 8 – The globalisation of production – where the parts for the Boeing 787 'Dreamliner' are made.

(a) Compare European and US contributions to the manufacture of the Dreamliner.

(3)

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P 4 1 3 7 5 A 0 1 6 2 0

*(b) Using examples, explain why global shifts in production may bring **disadvantages** to some groups of people.

(6)

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(Total for spelling, punctuation and grammar = 3 marks)

(Total for Question 8 = 12 marks)

TOTAL FOR SECTION C = 12 MARKS

TOTAL FOR PAPER = 53 MARKS

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