

Paper Reference 1GB0/03
Pearson Edexcel
Level 1/Level 2 GCSE (9–1)

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|-------------|
| Total Marks |
|-------------|

Geography B

Paper 3: People and Environment Issues

– Making Geographical Decisions

Thursday 11 June 2020 – Morning

Time: 1 hour 30 minutes plus your additional time allowance.

In the boxes below, write your name, centre number and candidate number.

| | | | | | |
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| Surname | | | | | |
| Other names | | | | | |
| Centre Number | | | | | |
| Candidate Number | | | | | |

X62015A

YOU MUST HAVE

Calculator

YOU WILL BE GIVEN

Resource Book

Diagram Book

INSTRUCTIONS

Answer ALL questions.

Answer the questions in the spaces provided in this Question Paper or in the Diagram Book – there may be more space than you need.

Where asked you must show all your working out with your answer clearly identified at the end of your solution.

INFORMATION

The total mark for this paper is 64

**The marks for EACH question are shown in brackets
– use this as a guide as to how much time to spend on
each question.**

**The marks available for spelling, punctuation, grammar
and use of specialist terminology are clearly indicated.**

There may be spare copies of some diagrams.

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.

SECTION A

People and the Biosphere

Answer ALL questions. Write your answers in the spaces provided.

Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.

1. Use Section A (pages 3–11) in the Resource Book to answer this question.

(a) Study Figure 1 which shows Russia's biomes (large-scale ecosystems).

(i) Identify TWO features of the distribution of taiga (boreal forest).
(2 marks)

1 _____

2 _____

(continued on the next page)

1. (a) continued.

(ii) Define the term **ecosystem**.

(1 mark)

(continued on the next page)

1. continued.

(b) Identify the range of animal species using the table in Figure 1.

A 4,500 – 900

B 4,500 – 500

C 3,500 – 1,200

D 1,200 – 500

Answer

(1 mark)

(continued on the next page)

1. continued.

(c) State TWO ways in which climate affects the global distribution of biomes.

(2 marks)

1 _____

2 _____

(continued on the next page)

1. continued.

(d) Explain ONE way in which vegetation helps soil to develop.

(2 marks)

(Total for Question 1 = 8 marks)

TOTAL FOR SECTION A = 8 MARKS

SECTION B

Forests Under Threat

Answer ALL questions. Write your answers in the spaces provided.

2. Use Section B (pages 12–14) in the Resource Book to answer this question.

(a) Study Figure 2. It shows facts about carbon storage in different biomes.

**(i) Identify Forest biome X.
(1 mark)**

(continued on the next page)

2. (a) continued.

(ii) One benefit of forest conservation is that carbon is stored in vegetation.

Using Figure 2, explain **one other** benefit of forest conservation.

(2 marks)

(continued on the next page)

2. continued.

(b) Study Figures 1, 2 and 3 in the Resource Book.

Explain TWO reasons why the development of oil and gas may threaten parts of Russia's taiga (boreal forest).

(4 marks)

1 _____

2 _____

(Total for Question 2 = 7 marks)

TOTAL FOR SECTION B = 7 MARKS

Turn over

SECTION C**Consuming Energy Resources**

Answer ALL questions. Write your answers in the spaces provided.

Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.

3. Use Section C (pages 15–27) in the Resource Book to answer this question.

(a) Study Figure 4. It shows a timeline of changing oil prices and Russia’s gross domestic product (GDP) per capita.

**(i) Identify Russia’s maximum GDP per capita during the period 1997 to 2017.
(1 mark)**

US\$ _____

(continued on the next page)

3. (a) continued.

(ii) Identify when the price of oil fell by approximately 50%.

A 1997–1998

B 2008–2009

C 2009–2010

D 2014–2015

Answer

(1 mark)

(continued on the next page)

3. (a) continued.

(iii) Identify ONE economic cause of falling oil prices shown in Figure 4.

(1 mark)

(iv) Identify ONE political cause of rising oil prices shown in Figure 4.

(1 mark)

(continued on the next page)

3. continued.

(b) Study Figures 5, 6 and 7 in the Resource Book which show Russia's relationships with other countries.

(i) Study the graph for Question 3(b)(i) in the Diagram Book. Draw the bar for Poland on the graph using data from Figure 5.

(1 mark)

(ii) Explain ONE way in which the news headlines in Figure 6 could have affected sales of Russian gas to other countries.

(2 marks)

(continued on the next page)

Turn over

3. (b) continued.

**(iii) Explain ONE way in which the
‘Power of Siberia’ pipeline shown in
Figure 7 might affect sales of Russian gas
to other countries.**

(2 marks)

(continued on the next page)

3. continued.

(c) Study Figure 8 in the Resource Book which shows countries where Russian energy companies are developing new oil and gas resources.

Suggest TWO ways in which the natural environment of these countries could affect the cost of developing their oil and gas resources.
(4 marks)

Answer lines continue on the next page.

1 _____

2 _____

Turn over

3. (c) continued.

(continued on the next page)

3. continued.

(d) Study Figure 9 in the Resource Book.

Using evidence from Figure 9, assess the challenges facing Russia's OWN energy companies.

(8 marks)

Answer lines continue on the next two pages.

[illegible]

3. (d) continued.

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Turn over

3. (d) continued.

(continued on the next page)

3. continued.

**(e) Renewable and recyclable energy resources
can be used instead of non–renewable fossil
fuels.**

**(i) Explain what is meant by renewable
energy resources.
(2 marks)**

(continued on the next page)

3. (e) continued.

(ii) Explain what is meant by **recyclable energy resources**.

(2 marks)

(continued on the next page)

3. continued.

(f) Study Figure 10 in the Resource Book.

Using evidence from Figure 10, assess the influence of physical and human factors on the development of wind energy resources.

(8 marks)

Answer lines continue on the next two pages.

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3. (f) continued.

[illegible]

Turn over

3. (f) continued.

[illegible]

(Total for Question 3 = 33 marks)

TOTAL FOR SECTION C = 33 MARKS

SECTION D

Making a Geographical Decision

Answer Question 4. Write your answer in the space provided.

In this question, up to four additional marks will be awarded for your spelling, punctuation, grammar and use of specialist terminology.

4. Study the three options below that the Russian government can choose from to help Russia adapt to the rapid decline of its conventional oil and gas reserves.

Option 1: Focus mainly on developing wind energy on a large scale.

Option 2: Focus mainly on developing Russia's own unconventional oil and gas resources.

Option 3: Focus mainly on developing fossil fuel resources located in other countries.

Select the option that you think is the best plan for Russia's economy.

Justify your choice.

(continued on the next page)

4. continued.

Use information from the Resource Book and knowledge and understanding from the rest of your geography course to support your answer.

(12 marks)

Answer lines continue on the next five pages.

Chosen option _____

4. continued.

[illegible]

Turn over

4. continued.

[illegible]

Turn over

4. continued.

[illegible]

Turn over

4. continued.

[illegible]

Turn over

4. continued.

(Spelling, punctuation, grammar and use of specialist terminology = 4 marks)

(Total for Question 4 = 16 marks)

TOTAL FOR SECTION D = 16 MARKS

TOTAL FOR PAPER = 64 MARKS

END OF PAPER
