

Fragile environments and climate change -2

Name: _____

Class: _____

Date: _____

Time:

Total Marks Available:

Total Marks Archived:

Level: IGCSE Mathematics A

Subject: Geography

Exam Board: Edexcel IGCSE Geography- it is however suitable for use by mathematics student of other boards

Topic: Fragile environments and climate change -2

Type: Topic Questions

To be used by all students preparing for Edexcel IGCSE Geography- Students of other Boards may also find this useful

Questions

Q1.

Fragile environments and climate change

Study Figure 7c in the Resource Booklet.

Assess the different climate change impacts.

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(Total for question = 6 marks)

Q2.

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Fragile environments and climate change.

Study Figure 7c in the Resource Booklet.

Assess the different human factors that cause climate change.

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(Total for question = 6 marks)

Q3.

Fragile environments and climate change

Study Figure 7c in the Resource Booklet.

Assess the effects of climate change on fragile environments.

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(Total for question = 6 marks)

Q4.

Fragile environments and climate change

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Study Figure 7c in the Resource Booklet.

Assess the potential impacts of deforestation.

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EXAM PAPERS PRACTICE

(Total for question = 6 marks)

Q5.

Fragile environments and climate change

Study Figure 7b in the Resource Booklet.

Assess the potential variation in economic impact from predicted sea level rise.

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(Total for question = 6 marks)

Q6.

Fragile environments and climate change.

Study Figure 7b in the Resource Booklet.

Assess the varied impacts caused by changes in global forest area.

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(Total for question = 6 marks)

Q7.

Fragile environments and climate change

Study Figure 7b in the Resource Booklet.

For more help visit our website <https://www.exampaperspractice.co.uk/>

(i) Calculate the range in the number of tropical storms for 2019.

You must show all your workings in the space below.

Give your answer to one decimal place.

(2)

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(ii) Describe **one** difference in the number of tropical storms between 2010 and 2019.

(2)



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(Total for question = 4 marks)

EXAM PAPERS PRACTICE

Q8.

Answer the questions with a cross in the boxes you think are correct . If you change your mind about an answer, put a line through the box and then mark your new answer with a cross .

Fragile environments and climate change

(i) Identify **one** human cause of **climate change**.

(1)



<input type="checkbox"/>	A Milankovitch cycles
<input type="checkbox"/>	B intensive farming
<input type="checkbox"/>	C volcanoes
<input type="checkbox"/>	D sun-spot cycles

(ii) Identify **one** cause of **deforestation**.

(1)

<input type="checkbox"/>	A planting of trees
<input type="checkbox"/>	B sustainable forest management
<input type="checkbox"/>	C lowering of sea levels
<input type="checkbox"/>	D significant increase in mining

(Total for question = 2 marks)

Q9.

Fragile environments and climate change

(i) Define the term 'desertification'.

(1)

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(ii) Study Figure 7a in the Resource Booklet.

Name **two** countries labelled in Figure 7a that have severe desertification and land degradation.

(2)



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(iii) Suggest **two** possible reasons for the pattern shown in Figure 7a.

(4)

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(Total for question = 7 marks)

Q10.

Fragile environments and climate change.

Discuss the view:

"Globally, the most significant threat to fragile environments comes from increased deforestation".

Use Figures 7a and 7b in the Resource Booklet, and your own knowledge and understanding to support your answer.

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(Total for question = 12 marks)

Q11.

Fragile environments and climate change.

Discuss the view:

"Those people contributing the most to climate change will experience the greatest impact".

Use Figures 7a, 7b and 7c from the Resource Booklet and your own knowledge and understanding to support your answer.

Q12.

Fragile environments and climate change

Discuss the view

'The most significant impact of climate change will be the increased frequency of extreme weather events.'

Use Figures 7a and 7b from the Resource Booklet, and your own knowledge and understanding to support your answer.

(12)

(Total for question = 12 marks)

Q13.


Fragile environments and climate change

Discuss the view:

'The places which contribute the most to climate change will be the places that suffer the least from climate change.'

Use Figures 7a and 7c from the Resource Booklet and your own knowledge and understanding to support your answer.

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(Total for question = 12 marks)

Q14.

Fragile environments and climate change

Discuss the view:

'Global sea level rise presents the greatest threat from global climate change.'

Use Figures 7b and 7c in the Resource Booklet, and your own knowledge and understanding, to support your answer.

(Total for question = 12 marks)

Q15.

Fragile environments and climate change



Discuss the view that it is possible to manage the threats of climate change in a sustainable way.

Use Figures 7a, 7b and 7c from the Resource Booklet, and your own knowledge and understanding to support your answer.

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(Total for question = 12 marks)

EXAM PAPERS PRACTICE

Q16.

Fragile environments and climate change

(i) Define the term **global climate change**.

(1)

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(ii) Study Figure 7a in the Resource Booklet.

Identify **two** countries labelled in Figure 7a, **one** with the highest and **one** with the lowest total carbon emissions.

(2)

Highest

Lowest

(iii) Suggest **two** possible reasons for the pattern shown in Figure 7a.

(4)

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(Total for question = 7 marks)

EXAM PAPERS PRACTICE

Q17.

Fragile environments and climate change.

(i) State **one** example of a greenhouse gas.

(1)

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(ii) Identify the meaning of the term **enhanced greenhouse effect**.



(1)

<input type="checkbox"/>	A cooling of the Earth's atmosphere resulting from human activities
<input type="checkbox"/>	B warming of the Earth's atmosphere resulting from human activities
<input type="checkbox"/>	C additional heat trapped in the Earth's atmosphere as a result of natural effects
<input type="checkbox"/>	D greenhouse gases naturally present in the Earth's atmosphere causing warming

(iii) Identify the meaning of the term **Milankovitch cycle**.

<input type="checkbox"/>	A cyclical movement of the Earth's orbit around the Sun
<input type="checkbox"/>	B differences in the amount of energy emitted from the Sun
<input type="checkbox"/>	C additional heat trapped in the Earth's atmosphere
<input type="checkbox"/>	D seasonal movement of the Sun in different orbits

Q18.

(Total for question = 3 marks)

(1)

Fragile environments and climate change

Study Figure 7a in the Resource Booklet.

(i) Name **two** countries labelled in Figure 7a at 'Very High' risk of desertification.



(2)

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(ii) Suggest **two** possible reasons for the distribution of countries at risk of desertification.

(4)

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EXAM PAPERS PRACTICE (Total for question = 6 marks)

Q19.

Fragile environments and climate change

Explain **two** causes of desertification.

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(Total for question = 4 marks)

Q20.

Fragile environments and climate change.

(i) Study Figure 7a in the Resource Booklet.

Identify a decade when the yearly average percentage (%) of land area affected by extreme precipitation events exceeded 15%.

(1)

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(ii) Compare the percentage (%) of land area affected by extreme precipitation events in time period A and time period B (Figure 7a).

(2)

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(iii) Identify **one** reason for the changes in the percentage (%) of land area affected by extreme precipitation

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events.

(2)

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(iv) Suggest **one** reason why the data in Figure 7a might be unreliable.

(2)

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EXAM PAPERS PRACTICE

(Total for question = 7 marks)