



CANDIDATE
NAME

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CENTRE
NUMBER

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CANDIDATE
NUMBER

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8021/23

May/June 2021

1 hour 45 minutes

You will need: Insert (enclosed)

- Answer **all** questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do **not** write on any bar codes.
- Dictionaries are **not** allowed.

- The total mark for this paper is 50.
- The number of marks for each question or part question is shown in brackets [].
- The insert contains all the resources referred to in the questions.

This document has **8** pages. Any blank pages are indicated.

Section A

Read the material for Section A in the insert before answering the questions in Section A.

- 1 (a)** Considering the advantages and **one** disadvantage, explain which **one** of the education options would be **most** suitable for the family.

You should concentrate on your chosen option and **not** refer to the other options.

Answer in continuous prose.

[illegible]

[10]

- (b)** Considering the disadvantages and **one** advantage, explain which **one** of the two remaining education options would be **least** suitable for the family.

You should concentrate on your chosen option and **not** refer to the other options.

Answer in about 100 words.

This image shows a full page of white paper with horizontal dashed lines, typical of primary-ruled notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

[10]

- (c) Using the material and your own knowledge, suggest why protests have been taking place recently at the oil company's other sites (Additional Information 15).

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..... [2]

- (d) Suggest other reasons, not identified in the material, why some parents may choose home-schooling over regular schooling even if their jobs do not take them away from their children.

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..... [3]

[Total: 25]

Section B

Read the material for Section B in the insert before answering the questions in Section B.

- 2 (a) According to the first two paragraphs, explain why scientists are so concerned about lionfish in the Atlantic Ocean.

Answer **using your own words** as far as possible.

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..... [3]

- (b) Identify **two** reasons why the lionfish came to be in the Caribbean Sea in the first place.

Answer **using your own words** as far as possible.

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- (c) According to paragraphs 2 to 5, explain why lionfish have been able to dominate the Caribbean Sea.

Answer **in about 30 words**.

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..... [3]

- (d) Identify evidence in the material to support the point that lionfish are ‘voracious predators’ (line 31).

Answer **in your own words** as far as possible.

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..... [3]

- (e) Identify a word in the material that has the same meaning as the following word or phrase:

- (i) one of a kind

..... [1]

- (ii) bad

..... [1]

- (iii) on purpose

..... [1]

- (iv) far-reaching

..... [1]

- (v) courses of action.

..... [1]

- (f) Identify **three** reasons why lionfish might become a popular restaurant dish in the future.

Answer in about 30 words.

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[3]

- (g) Suggest the benefits **and** drawbacks of the solution to train sharks to eat the lionfish.

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[4]

- (h) Other than the difficulty of training sharks, identify **two** other reasons why it is so difficult to eradicate lionfish.

reason 1

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reason 2

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[2]

[Total: 25]

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