

Draft - subject to accreditation and change

Paper Reference(s)

XXXX/XX

Edexcel GCSE

Geography B

Unit 3: Making Geographical

Decisions

The future of Antarctica

Foundation Tier

Time: 1 hour

Materials required for examination

Pre-released resource booklet

Items included with question papers

Nil

Instructions to Candidates

In the boxes above, write your centre number, candidate number, your surname, initials and signature.

Check that you have the correct question paper.

Answer **ALL** the questions. Write your answers in the spaces provided in this question paper.

Information for Candidates

The marks for individual questions and the parts of questions are shown in round brackets: e.g. (2).

There are 3 questions in this question paper. The total mark for this paper is 50.

There are 9 pages in this question paper. Any blank pages are indicated.

Advice to Candidates

Quality of written communication will be taken into account in the marking of your responses to Questions 3ai and 3b. These questions are indicated with an asterisk. Quality of written communication includes clarity of expression, the structure and presentation of ideas and grammar, punctuation and spelling.

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Answer ALL the questions

Section A – Introducing Antarctica – the background to the issue

1. Use Section A in the resource booklet to answer this question.

a) (i) Give **three** reasons why Captain Scott, an early explorer, thought Antarctica was ‘**an awful place**’.

- 1.....
- 2.....
- 3.....

[3]

(ii) Suggest **two** ways in which the environment makes Antarctica a ‘**very special place**’ for tourists to visit.

- 1.....
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- 2.....
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[4]

(iii) Describe **two** ways in which the wildlife makes Antarctica a ‘**very special place**’ for tourists to visit.

1.....
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2.....
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[2]

(b) Look at page 13 of the resource booklet which gives details of the Antarctic Treaty System (ATS).

(i) Explain **two** benefits of the ATS.

1.....
.....
2.....
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[4]

(ii) Choose **two** of the statements about the ATS shown in figure 8.

Using your **own** words say how each statement suggests that not everyone supports the ATS.

Statement number ____

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Statement number ____

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[2]

End of Question [15]

Section B – Threats and Solutions

2. Use Section B in the resource booklet to answer this question.

(a) (i) Complete the table below to summarise the threats to Antarctica.

Use the key to insert the correct answer.

Threats	Extent of threat	Present problem	Future problem	Success in management of threat at present	Degree of damage at present on Antarctic
Fishing in southern oceans	R	✓	✓	**	**
Global warming	G	✓	✓		***
Mining	L			*	None
Ozone hole	G	✓	✓	**	**
Research stations		✓	X	*	**
Tourism	L	X	✓	*	*

Key to use	Insert G (Global) R (Regional) L (Local)	✓ for present and/or future x no problem	* managing well ** quite hard to manage *** very hard to manage	None * minor ** major *** very severe
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[3]

(ii) State **two** pieces of **evidence** from the resources which show that global warming is having an impact on Antarctica.

1.

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2.

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[2]

(iii) State the type of emissions which caused the ozone hole to form.

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[1]

(iv) Suggest **one** reason why people are concerned about the ozone hole above Antarctica.

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[2]

(v) Suggest **one** reason why the ozone hole is proving a difficult problem to solve.

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[2]

(b) (i) Many people think tourism is becoming unsustainable in the **Antarctic Peninsula**.

Use evidence from the resources to explain why people think this.

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[4]

(ii) Suggest **two** ways that research stations could be managed **sustainably** to prevent them having an impact on Antarctica's environment.

1.
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2.
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[4]

End of Question [18]

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[8]

(ii) Give **three** possible disadvantages of your chosen option.

1.....
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2.....
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3.....
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[3]

(b)* Choose the option which you think would be the worst option and justify your choice.

Option number ____

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[6]

End of Question [17]

End of Paper