



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

CANDIDATE
NAME

CENTRE
NUMBER

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CANDIDATE
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GLOBAL PERSPECTIVES

0457/31

Paper 3

May/June 2013

1 hour 15 minutes

Candidates answer on the Question Paper.

No Additional Materials are required.

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the boxes above.

Write in dark blue or black pen.

Do not use staples, paper clips, highlighters, glue or correction fluid.

DO **NOT** WRITE IN ANY BARCODES.

Answer **all** questions in the spaces provided.

Any rough working should be done in this booklet.

At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [] at the end of each question or part question.

For Examiner's Use	
1	
2	
3	
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Total	

This document consists of **7** printed pages, **1** blank page and **1** Insert.



Study Source 1 in the accompanying Resource Booklet and answer **all** of Questions 1 – 4.

For
Examiner's
Use

1 (a) Give **one** use of rare earth metals.

..... [1]

(b) Give **one** cause of the global shortage of rare earth metals.

..... [1]

(c) Give **two** consequences of the global shortage of rare earth metals.

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

(d) Which consequence of the global shortage of rare earth metals do you think is most important? Justify your answer.

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..... [3]

(e) To what extent is the supply of rare earth metals a global problem? Justify your answer.

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..... [5]

- 2 (a) Study *DKP_Narayan's* online response. What additional information do you need to know to be sure that the people in Greenland would definitely benefit from the introduction of modern industries and ways of life?

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..... [2]

- (b) A foreign mining company proposes to transport rocks containing rare earth metals to your country and process them in your country to make usable rare earth metals.

You must decide whether to support this proposal or not. What information do you need to help you make your decision and how will it help you to decide?

Information

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How it will help me to decide

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..... [10]

- 3 (a) Under the heading, 'What is the problem?' the author writes, 'So the world needs new sources of rare earth metals. Or we'll have to do without our MP3 players and phones.'

How reasonable is this part of the argument? Justify your answer.

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..... [3]

- (b) Under the heading, 'So, no problem then?' the author writes, 'But without rare earth metals, **our** way of life will be threatened, so we need more rare earth metal mines in more countries.'

How acceptable is it to see our way of life as more important than other people's ways of life? Justify your answer.

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..... [3]

- (c) *green_crusader* says, 'Recycling all the old gadgets we have piling up in our homes might solve the problem.'

How likely is it that recycling will solve the problem of rare earth metals?

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..... [3]

4 It is 2020 and the shortage of rare earth metals has become a crisis. There are only enough rare earth metals for **one** of the following uses.

For
Examiner's
Use

- Gadgets
- Medical technology
- Defence technology

You must decide which **one** of these uses of rare earth metals can continue and justify this decision.

In your answer you should:

- state your decision;
- give reasons for your decision;
- give reasons why you did not choose the other uses;
- use relevant examples to support your views;
- show that you have considered different personal, national and global perspectives.

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