UNIVERSITY OF CAMBRIDGE INTERNATIONAL EX
International General Certificate of Secondary Educati

CANDIDATE NAME

CENTRE NUMBER | | | | | |

CAN NUMBER

8088782610

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	
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Total	

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

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UNIVERSITY of CAMBRIDGE International Examinations

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Study Source 1 in the accompanying Resource Booklet and answer **al**

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

.....

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

.....

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

.....

.....[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]

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2 **(a)** Study *DKP_Narayan's* online response. What additional infor
to be sure that the people in Greenland would definitely ben
modern industries and ways of life?

.....

.....

.....

(b) A foreign mining company proposes to transport rocks cont
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]

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3 **(a)** Under the heading, 'What is the problem?' the author writes sources of rare earth metals. Or we'll have to do without our

How reasonable is this part of the argument? Justify your an

.....

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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]

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(d) *Professor_Karl_Schmidt* argues that we should restrict our and use them for medical and clean technologies rather tha well does his reasoning work?

In your answer you should support your point of view with h you may consider:

- how reasonable his opinions are;
- the likeliness of any consequences he predicts;
- the probability that any solutions he suggests will actuall
- whether you accept his values and why;
- any other relevant issues.

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.....[9]

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4 It is 2020 and the shortage of rare earth metals has become a cri
rare earth metals for **one** of the following uses.

Gadgets
Medical technology
Defence technology

You must decide which **one** of these uses of rare earth metals c
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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