



88125201

**GEOGRAPHY  
HIGHER LEVEL AND STANDARD LEVEL  
PAPER 1**

Wednesday 7 November 2012 (afternoon)

1 hour 30 minutes

Candidate session number

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Examination code

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**INSTRUCTIONS TO CANDIDATES**

- Do not open this examination paper until instructed to do so.
- Section A: answer all questions.
- Section B: answer one question.
- Write your answers on the lines in the boxes provided. If you need to continue your answer, use the blank space immediately below the lines provided in the box.
- Use examples, maps and/or diagrams where relevant.
- The maximum mark for this examination paper is *[60 marks]*.



0120

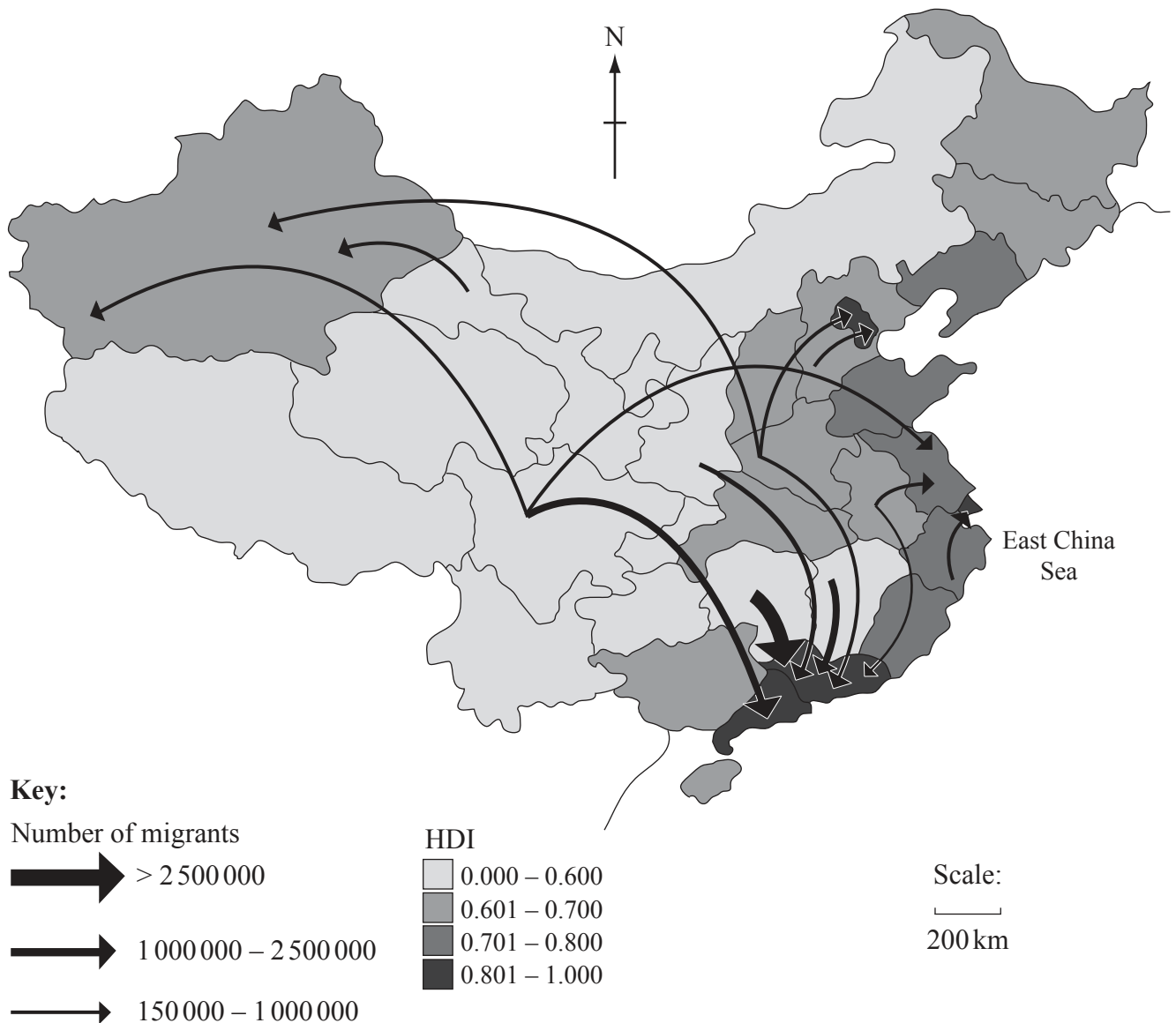
### Core Theme – Patterns and Change

#### SECTION A

Answer **all** questions. Write your answers on the lines in the boxes provided. If you need to continue your answer, use the blank space immediately below the lines provided in the box.

#### 1. Populations in transition

The map shows internal migration flows in China and the Human Development Index (HDI) for each province for 2005.



[Source: China National Bureau of Statistics, 2009, 'China Statistical Yearbook 2009', Beijing, China Statistics Press and were adapted by Taskforce on NHDR 2009--2010, Renmin University of China.]



(a) Describe the pattern of internal migration shown on the map.

[3]

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0320

**Turn over**

*(Question 1 continued)*

- (b) Briefly explain **three** positive socio-economic impacts that this migration could have for the provinces of destination. *[2+2+2]*

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

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*(Question 1 continued)*

(c) Explain why an imbalance in the birth ratio exists in some societies.

[4]

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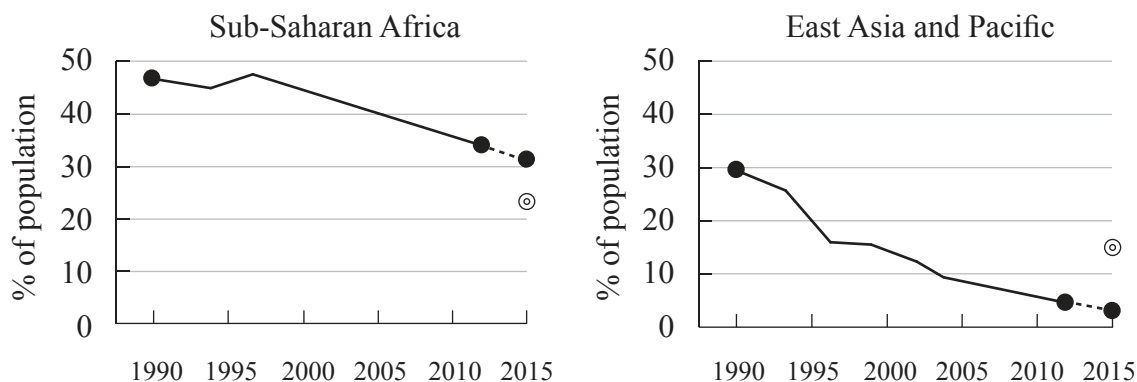


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## 2. Disparities in wealth and development

The graphs show the progress made towards Millennium Development Goal 1 (percentage of population living on less than US \$ 1 per day).



**Key:**

- Actual US \$ 1/day
- - - - - Projected US \$ 1/day
- ⊙ 2015 target

[Source: IB content, based on data from <http://databank.worldbank.org/ddp/home.do>]

- (a) (i) State which region has met its target. [1]

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- (ii) Identify the year when this region first met its target. [1]

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*(This question continues on the following page)*



*(Question 2 continued)*

(b) Suggest **two** reasons why some regions may not meet their 2015 target.

[2+2]

1.	.....
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2.	.....
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*(Question 2 continued)*

- (c) Explain how increased trade and market access can sometimes help reduce disparities between countries. [5]

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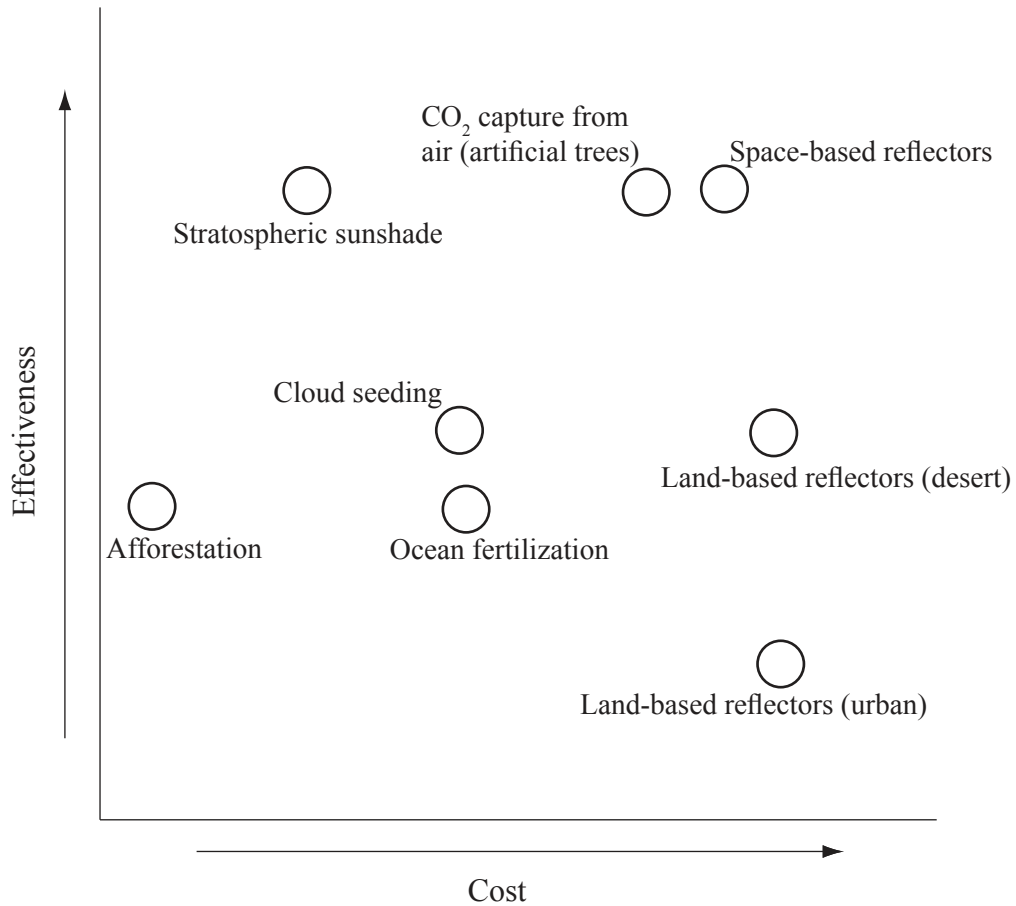


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### 3. Patterns in environmental quality and sustainability

The graph shows several different ways of cooling the Earth by geo-engineering (the use of engineering to resolve environmental issues).



[Source: Jim Giles (29 March 2010), Hacking the Planet: Who Decides? *New Scientist*, issue 2754  
2010 Reed Business Information — UK. All rights reserved. Distributed by Tribune Media Services.]

(a) Identify the **two** most cost-effective options shown on the graph.

[2]

1.	.....
	.....
2.	.....
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*(Question 3 continued)*

(b) Explain how deforestation may contribute to global warming.

[3]

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*(Question 3 continued)*

(c) Explain **two** possible environmental consequences of global climate change. [3+3]

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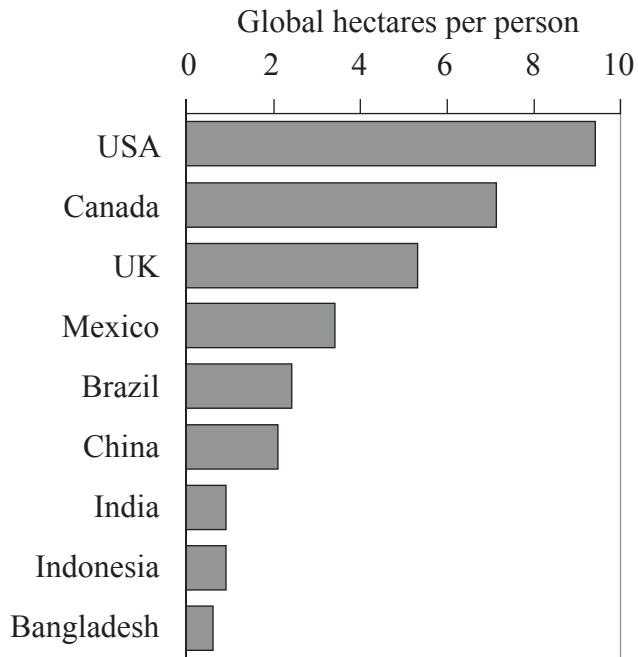


1320

Turn over

#### 4. Patterns in resource consumption

The graph shows the ecological footprints of various countries.



[Source: Richard Rhoda and Tony Burton. *Geo-Mexico: The Geography and Dynamics of Modern Mexico*. Sombrero Books, 2010.]

(a) Define *ecological footprint*.

[2]

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*(Question 4 continued)*

- (b) Describe how the pattern of ecological footprints shown by the graph reflects economic development. [2]

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(Question 4 continued)

- (c) (i) Outline a strategy at a local or national scale which is designed to reduce the consumption of **one** named resource. [2]

Named resource: .....

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- (ii) Explain **two** reasons why the strategy described in (c)(i) **either** has **or** has not been a success. [2+2]

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2. ....

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**SECTION B**

Answer **one** question. Write your answer on the lines in the box provided.

- 5. “Environmental sustainability will never be achieved without population control.” Discuss this statement. [15]
- 6. Examine the changing importance of energy sources other than oil. [15]
- 7. “Development does not always reduce social and economic disparities.” Discuss this statement, referring to examples. [15]

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