



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

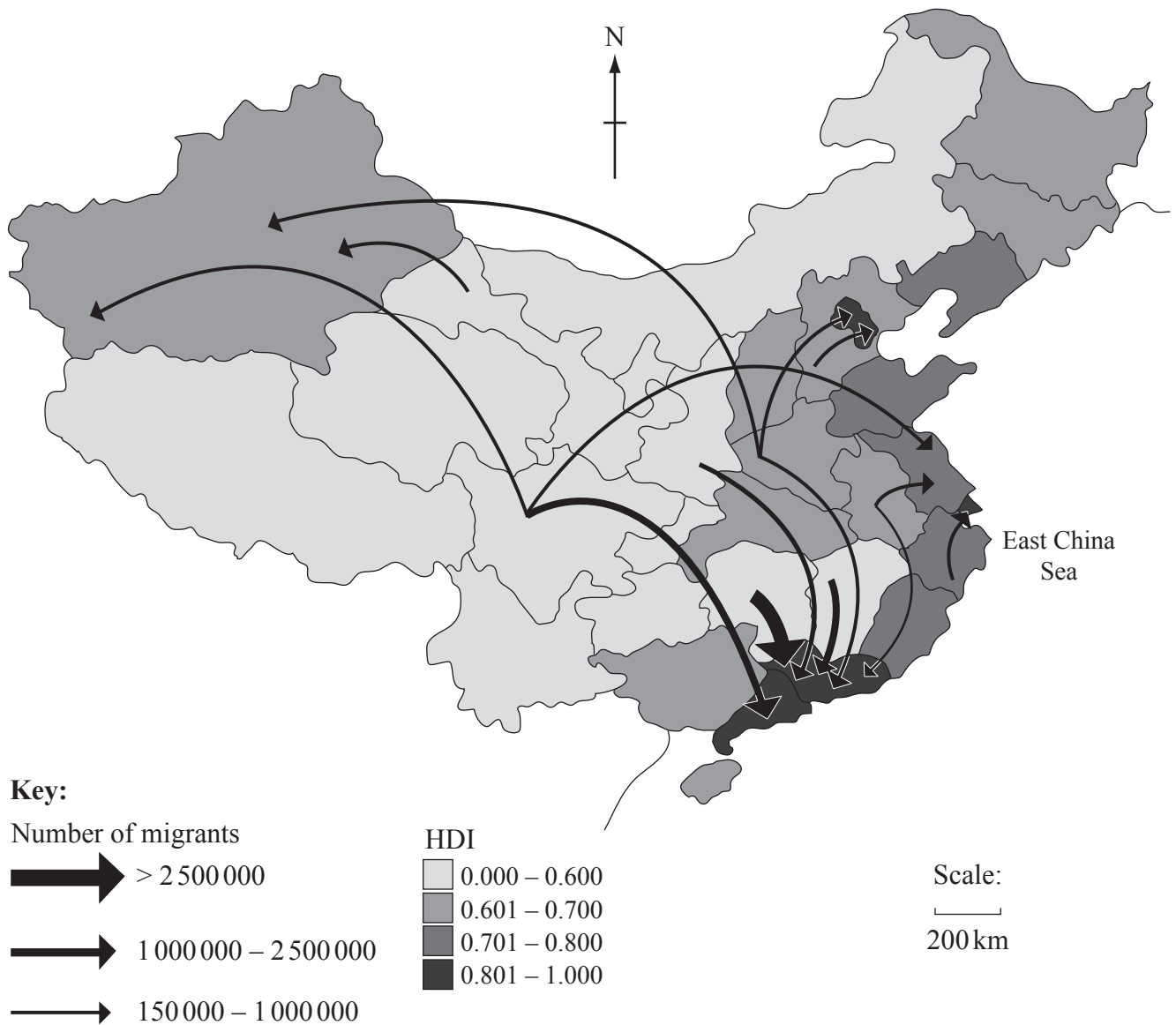
Core Theme – Patterns and Change

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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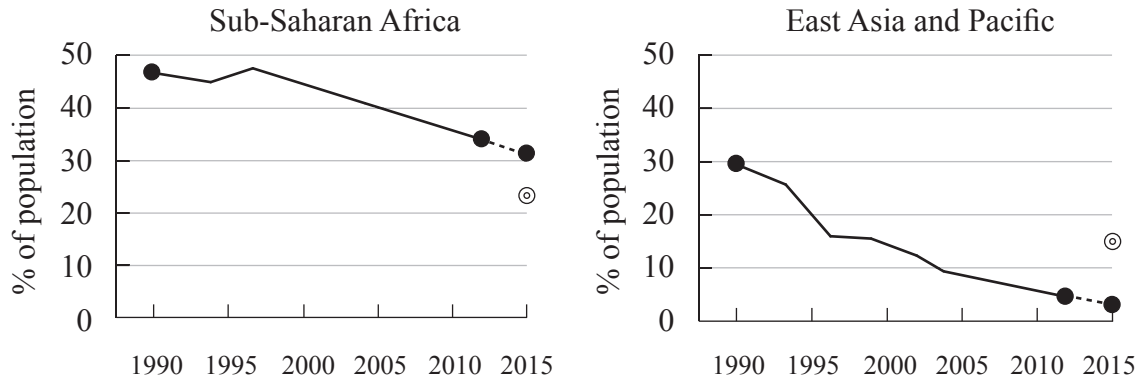


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2. Disparities in wealth and development

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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(Question 2 continued)

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

[2+2]

1.

2.

(This question continues on the following page)



(Question 2 continued)

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

[5]

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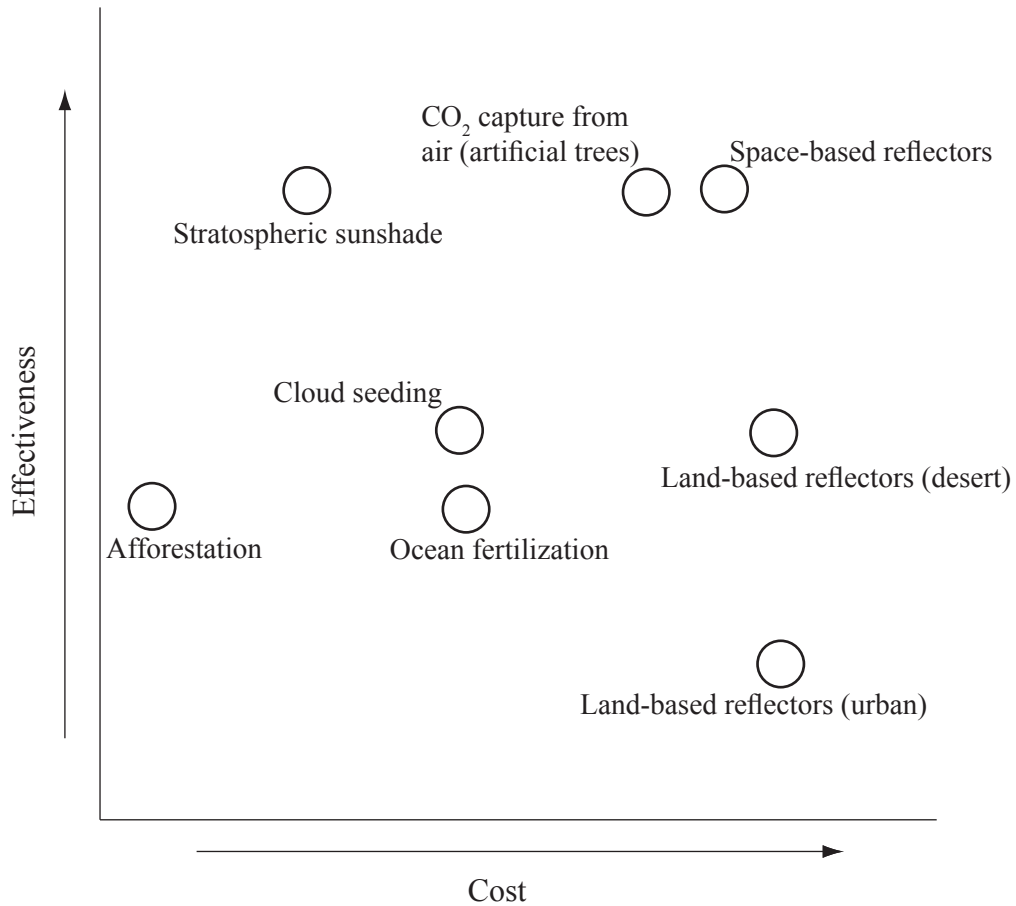


0920

Turn over

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.

(This question continues on the following page)



(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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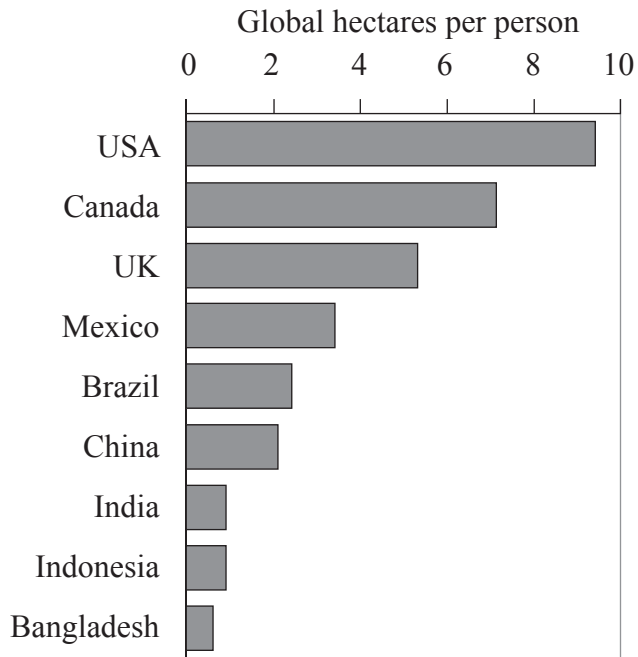


1320

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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