



22125201

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

Friday 4 May 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]*.



0124

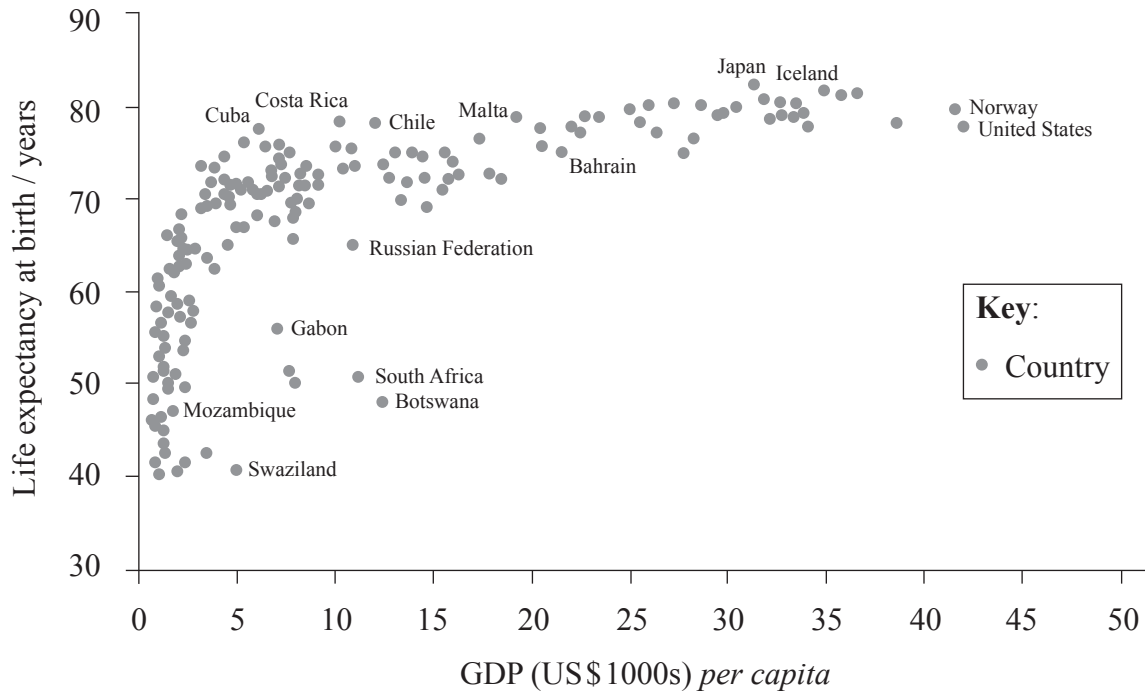
Core Theme – Patterns and Change

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 graph below shows the relationship between GDP *per capita* and life expectancy at birth for a number of countries in 2010.



[The Spirit Level, Richard Wilkinson and Kate Pickett, The Equality Trust, 2009]

(a) Describe the relationship shown on the graph.

[4]

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(Question 1 continued)

(b) Suggest **two** possible reasons for the relationship described in (a).

[2+2]

1.

2.

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(Question 1 continued)

(c) Explain **two** economic effects of a youthful population structure.

[2+2]

1.

2.



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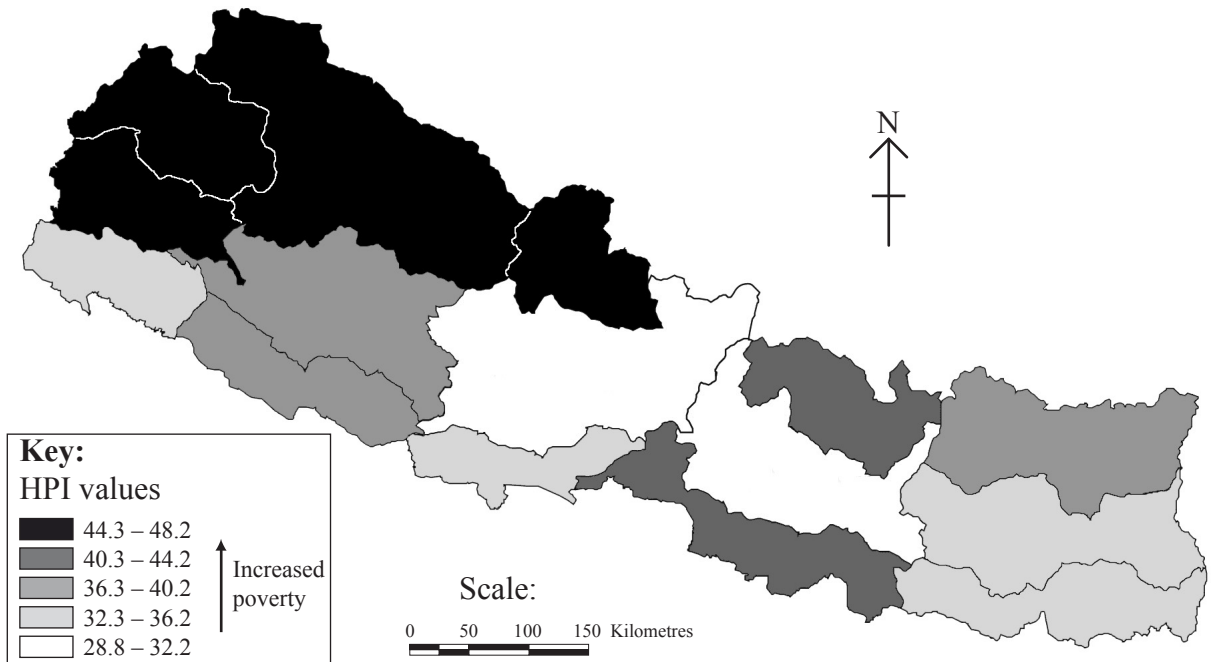


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2. Disparities in wealth and development

The map shows the Human Poverty Index (HPI) of Nepal.



[Source: UNDP Nepal, used with permission.]

(a) Describe the pattern of human poverty shown on the map.

[3]

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(Question 2 continued)

- (b) Explain **one** strength and **one** weakness of using the Human Development Index (HDI) as a way of measuring disparities. [2+2]

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(Question 2 continued)

(c) Explain the inequalities resulting from ethnicity in a named country.

[4]

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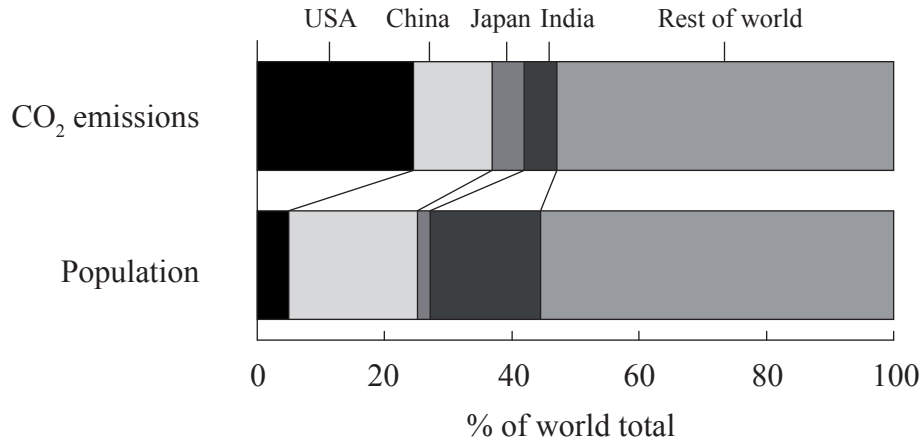


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3. Patterns in environmental quality and sustainability

The graph shows the carbon dioxide (CO₂) emissions and population for selected countries and the rest of the world as a percentage of world totals.



[Used with permission]

(a) Identify which country or region has the lowest emissions of CO₂ per person. [1]

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(Question 3 continued)

(b) Explain why some countries have higher CO₂ emissions per person than others. [4]

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(Question 3 continued)

- (c) Explain the relationship between atmospheric greenhouse gases and the temperature of the Earth's surface. [5]

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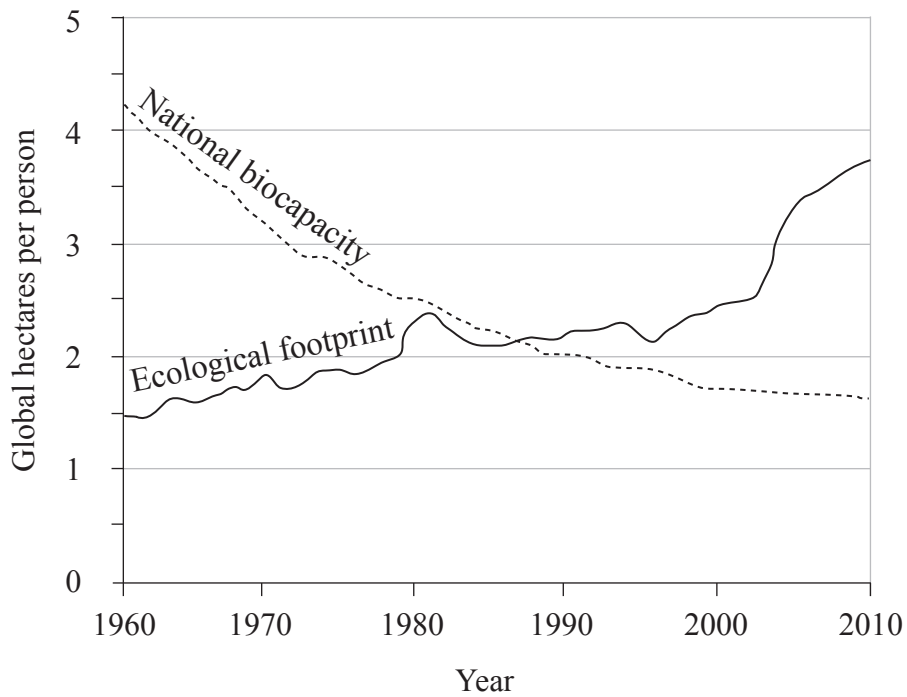
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4. **Patterns in resource consumption**

The graph shows the ecological footprint for one country from 1960 to 2010.



[Used with permission]

(a) Define *ecological footprint*.

[2]

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(Question 4 continued)

(b) Describe how the ecological footprint of this country has changed.

[3]

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(Question 4 continued)

(c) Suggest reasons why this country's ecological footprint decreased in the 1980s. [2]

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(Question 4 continued)

(d) Explain the anti-Malthusian view of the relationship between population and resources. [5]

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SECTION B

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

- 5. “Migration reduces disparities in wealth and development.” Discuss this statement. [15]
- 6. Examine the relationship between energy consumption and environmental sustainability. [15]
- 7. Examine the view that population change is responsible for water scarcity. [15]

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