



88115201



GEOGRAPHY
HIGHER LEVEL AND STANDARD LEVEL
PAPER 1

Thursday 3 November 2011 (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.



0120

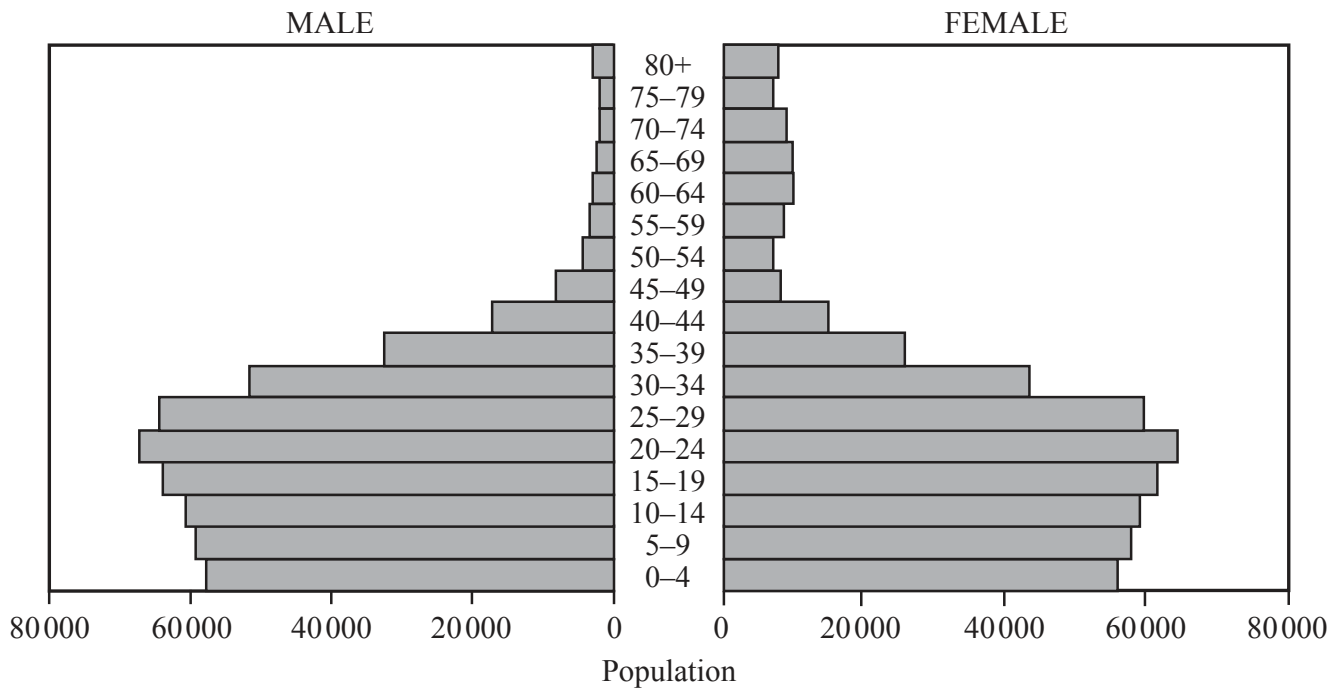
Core Theme – Patterns and Change

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 graph shows the predicted population pyramid for a country in 2025.



[Source: adapted from U.S. Census Bureau, International Data Base]

(a) Describe the predicted population structure of this country in 2025. [3]

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(Question 1 continued)

(b) Distinguish between a population projection and population momentum.

[2]

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0320

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2. Disparities in wealth and development

The graph shows the progress made towards meeting the Millennium Development Goal (MDG) for universal primary education.

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<http://www.un.org/millenniumgoals/pdf/The%20Millennium%20Development%20Goals%20Report%202008.pdf>

- (a) With reference to the graph, describe the regional trends in the progress made towards meeting the 2015 target. [3]

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(Question 2 continued)

- (b) Suggest **two** reasons why developing regions have made good progress towards meeting this MDG. [2+2]

1.
2.

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0720

Turn over

(Question 2 continued)

- (c) Explain how progress in education can help regions advance towards meeting **one** other MDG. [5]

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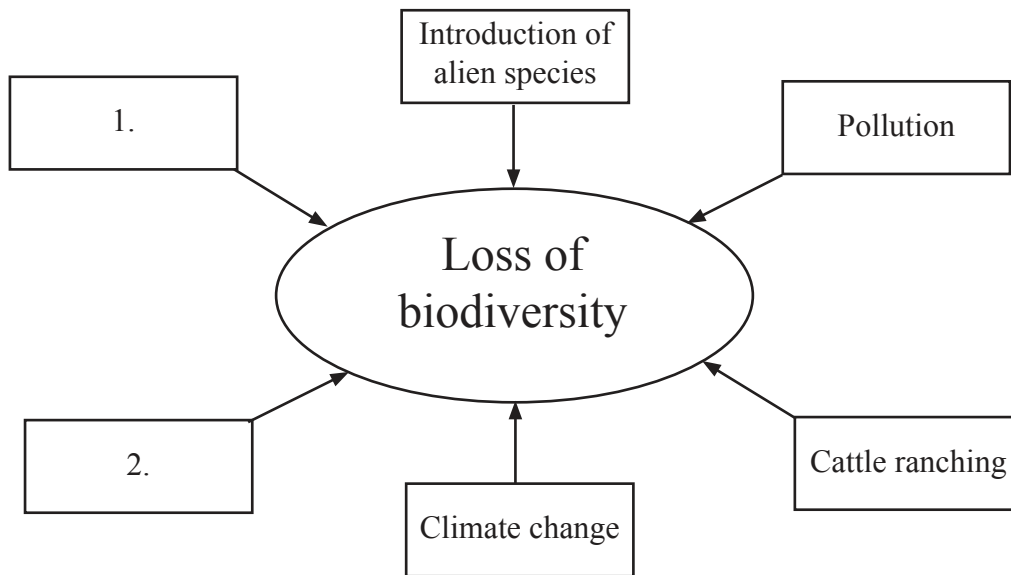


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3. Patterns in environmental quality and sustainability

The diagram shows factors contributing to the loss of biodiversity in tropical rainforests.



(a) State **one** physical factor and **one** human factor not shown on the diagram that contribute to a loss of biodiversity. [2]

1. Physical factor:

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2. Human factor:

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(Question 3 continued)

- (b) Explain how any **one** of the factors **given on the diagram** contributes to a loss of biodiversity in tropical rainforests. [4]

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(Question 3 continued)

(c) Explain **three** reasons why biodiversity in tropical rainforests should be preserved. [3×2]

1.

2.

3.



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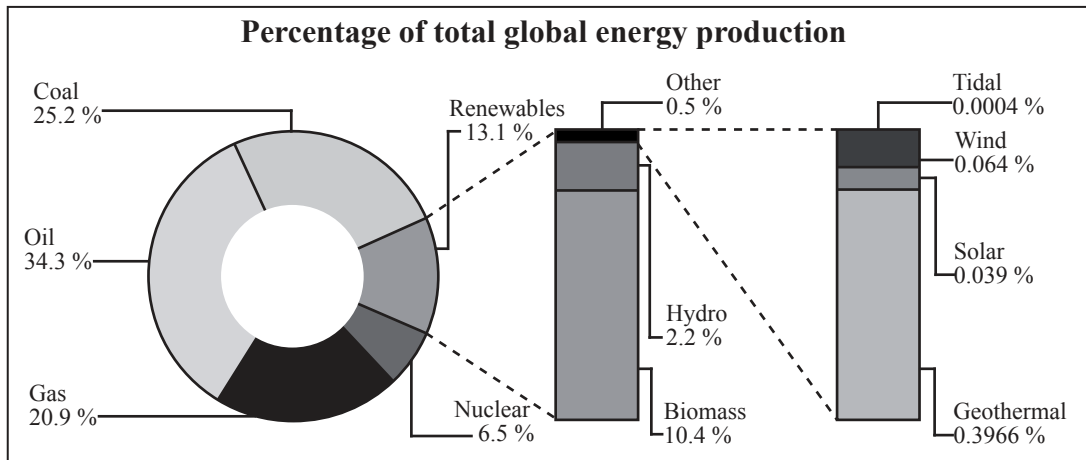


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4. Patterns in resource consumption

The graph shows the different sources of global energy production.



[Source: Sunlit uplands, *The Economist* May 31 2007, The Economist Newspaper Limited.

Reproduced with permission.]

- (a) Identify and rank the top **three** renewable sources of energy shown on the graph from highest to lowest.

[2]

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(Question 4 continued)

- (b) Suggest **two** reasons why some areas of the world are unlikely to depend entirely on renewable energy sources. *[2 × 2]*

1.
2.

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(Question 4 continued)

(c) Analyse how the global pattern of oil production has changed in recent decades.

[5]

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