



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

Monday 15 November 2004 (afternoon)

1 hour 30 minutes

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**INSTRUCTIONS TO CANDIDATES**

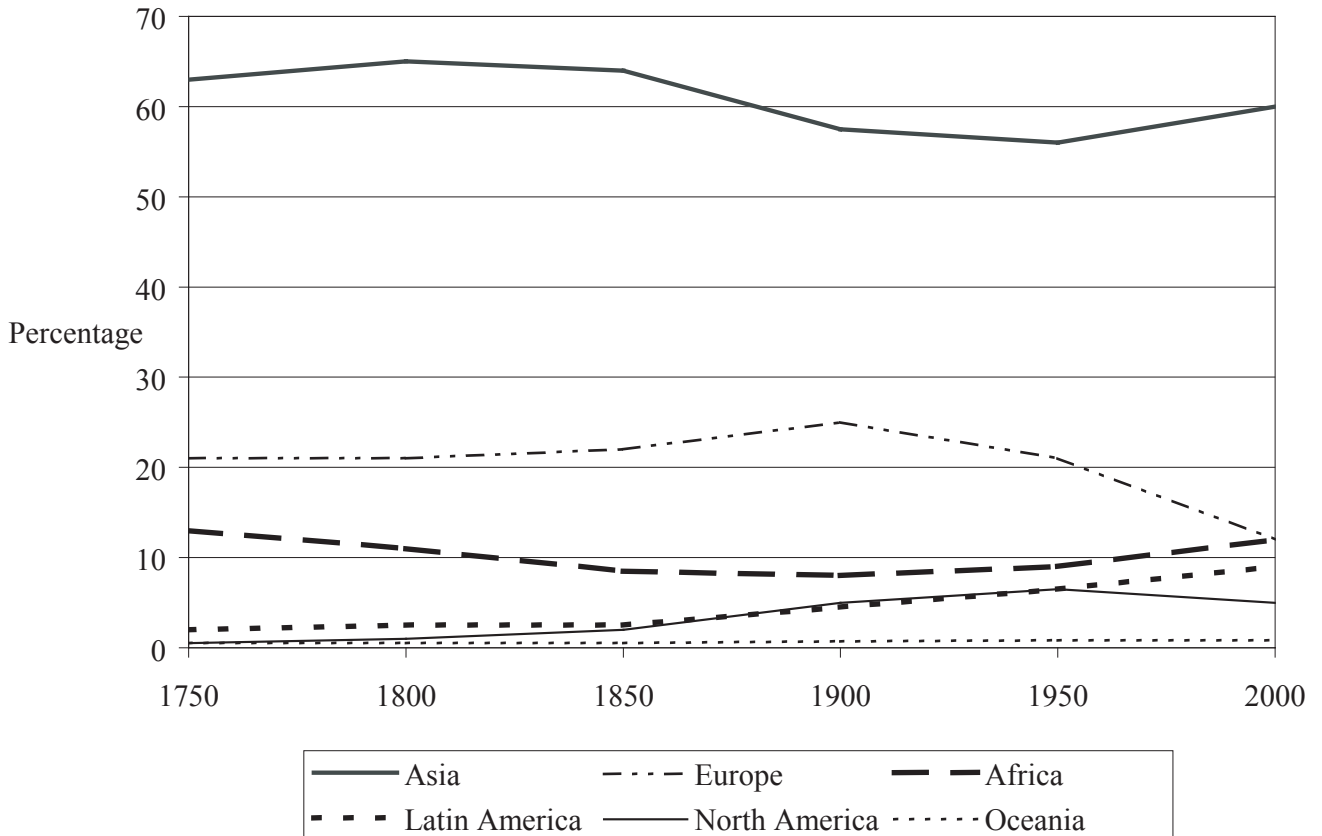
- Do not open this examination paper until instructed to do so.
- Answer two questions.

### Core Theme: Population, Resources and Development

Answer **two** questions with all their parts.

Case studies and examples should be used to illustrate answers and where appropriate, they should be specifically located. Include well drawn, large, relevant maps, sketches, tables and diagrams as often as applicable.

1. The graph shows changes in the global distribution of world population in major regions for the period 1750 to 2000.



[Source: United Nations, *World Population Prospects*, New York, page 101]

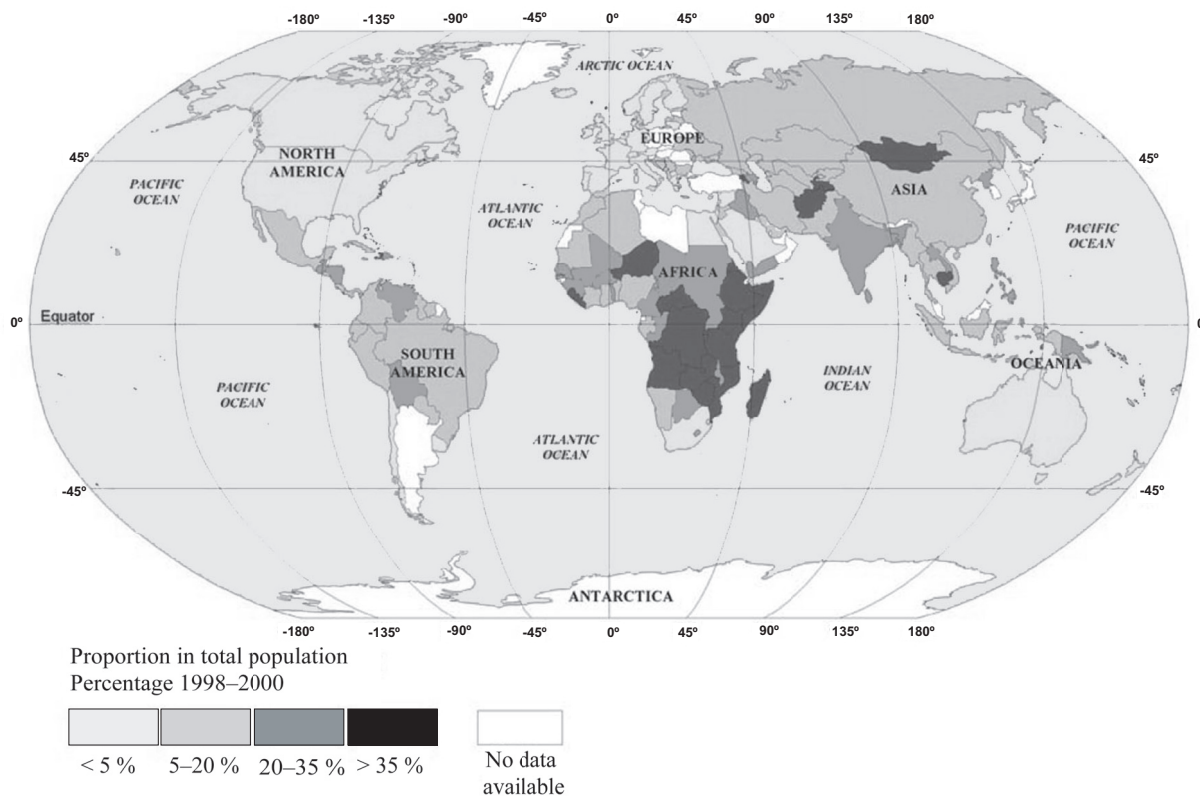
(This question continues on the following page)

*(Question 1 continued)*

- (a) Calculate and describe the changes in the proportion of the total population of the less economically developed regions (Asia, Africa and Latin America) for 1900, 1950 and for 2000. *[6 marks]*
  
- (b) Account for the changes in fertility for **one** of the more economically developed regions (Europe, North America and Oceania) over the period from 1900 to 2000. *[7 marks]*
  
- (c) Using an annotated map, explain how physical and economic factors have affected the distribution of population within a country of your choice. *[12 marks]*

2. The diagram below shows the “World Hunger Map”, produced by the Food and Agriculture Organization (FAO).

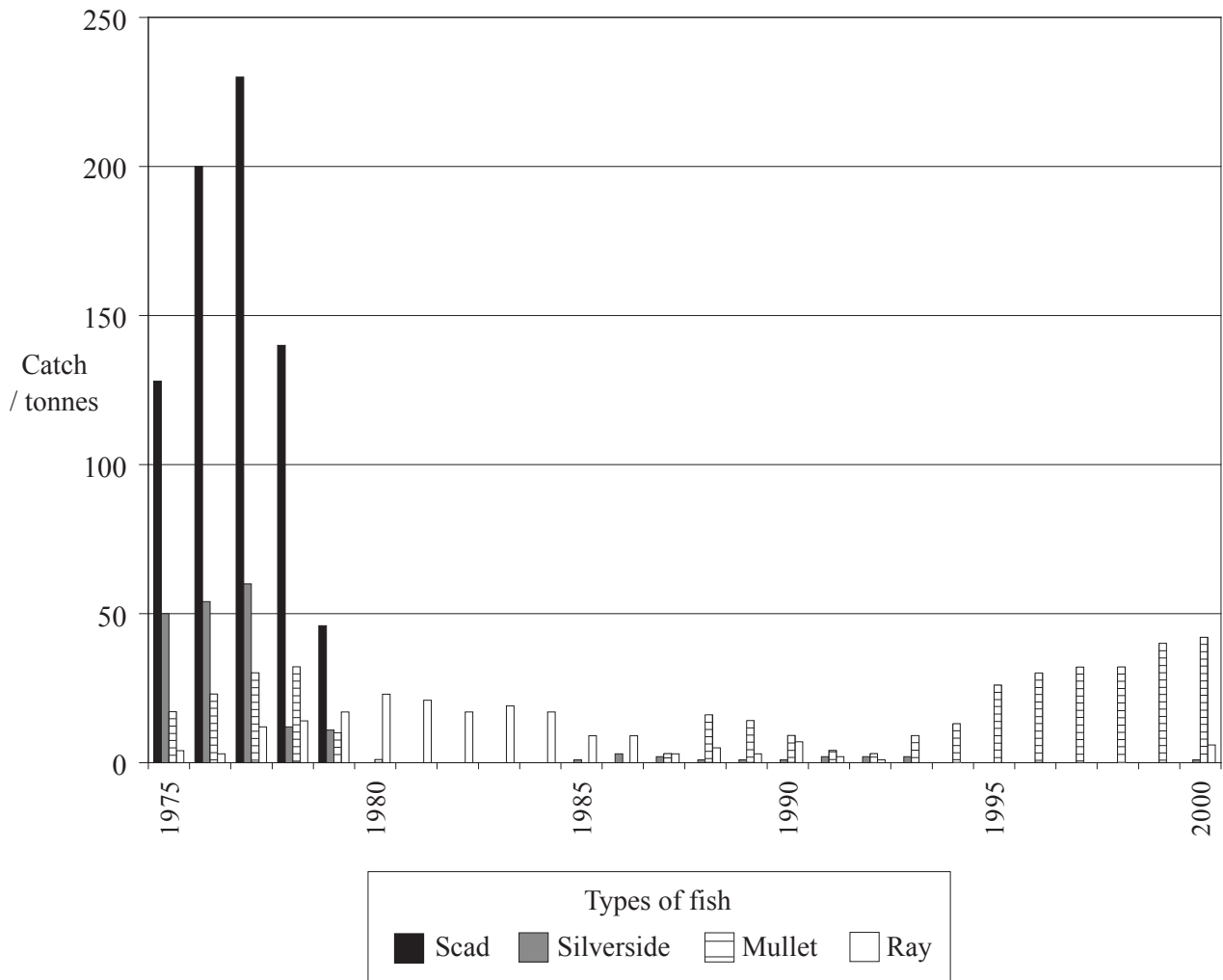
Map of World Hunger  
Proportion of undernourished people (1998-2000)



[Source: www.feedingminds.org]

- (a) Describe the distribution of areas that have less than 5 % **and** also areas that have more than 35 % of their population undernourished. [5 marks]
- (b) Explain the term *undernourishment* and comment on whether it differs from concepts such as hunger and malnutrition. [5 marks]
- (c) Using examples, evaluate the importance of internal and external factors that affect the level of food production in less economically developed countries (LEDCs). [15 marks]

3. The diagram shows a resource that has not been managed sustainably. It shows the size of the catch (i.e. the quantity of fish caught) for four different types of fish. These fish were caught by local fishermen at a small Peruvian coastal village over the period from 1975 to 2000.



[Source: Cerro Azul Fishery Cooperative]

- (a) Briefly explain how the diagram suggests that the resource has not been managed sustainably. [5 marks]
- (b) Briefly explain what is meant by the term *sustainable development*. [5 marks]
- (c) Describe the attempts that have been made to manage sustainably a named resource. Discuss the extent to which these attempts have been successful. [15 marks]