

Advanced Subsidiary GCE
GEOGRAPHY A
The Human Environment
FRIDAY 25 MAY 2007

2681

Afternoon

Time: 1 hour

An Insert is enclosed with this question paper.
An OS map extract is enclosed with this question paper.



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Candidate
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INSTRUCTIONS TO CANDIDATES

- Write your name, Centre Number and Candidate number in the boxes above.
- Answer **all** the questions.
- Use blue or black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure you know what you have to do before starting your answer.
- Do **not** write in the bar code.
- Do **not** write outside the box bordering each page.
- WRITE YOUR ANSWER TO EACH QUESTION IN THE SPACE PROVIDED.

INFORMATION FOR CANDIDATES

- The number of marks for each question is given in brackets [] at the end of each question or part question.
- The Insert contains maps and diagrams for use with questions.
- The total number of marks for this paper is 75.
- You will be awarded marks for the quality of written communication where an answer requires a piece of extended writing.
- Even where not specifically asked for, credit will be given for sketch maps and diagrams, provided they illustrate your answer.

For Examiner's Use	
Qu.	Mark
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This document consists of **10** printed pages, **2** blank pages, an OS map and an Insert.

Population

1 Study Fig. 1 which shows the population change of the continents of Europe and Asia, 1750–2005.

(a) Compare the changes in population of Europe and Asia between 1750 and 2005, as shown in Fig. 1.

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(b) (i) How does an understanding of the demographic transition model help to explain population change through time?

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(ii) State and explain **two** limitations of the demographic transition model.

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(c) The term 'total fertility rate' is defined as the average number of children born to a woman during her lifetime. Variations in the total fertility rates of selected countries in 2005 are shown in Fig. 2.

Suggest **two** reasons why these rates differ.

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[Total: 24]

2 Rural Settlement

Study the 1:25,000 OS map extracts of Hayfield for 1971 and 2004. Hayfield is a rural settlement in Derbyshire; it is situated on the edge of the Pennines, 15 miles from the edge of Manchester.

(a) What is meant by the term 'counterurbanisation'?

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(b) (i) With reference to specific evidence from the OS map extracts, describe **two** changes in the built environment of Hayfield between 1971 and 2004.

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(ii) Suggest reasons for these changes. Support your answer with evidence from the OS map extracts.

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- (c) Between 1971 and 2001 the population of Hayfield increased by 21.4% (from 2350 to 2852). During the same period the number of households increased by 37.7% (from 875 to 1205).

Suggest why the number of households has increased at a faster rate than the increase in population.

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Urban Settlement

3 (a) Study Fig. 3 which shows average annual internal migration flows to Cairo, Egypt, 1996–2004.

(i) With specific reference to Fig. 3, describe the pattern of migration flows to Cairo.

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(ii) Suggest **two** reasons for this pattern.

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(b) State and explain how natural increase contributes to urban growth in LEDCs.

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