

## **Advanced Subsidiary GCE GEOGRAPHY A**

The Human Environment

**FRIDAY 25 MAY 2007** 

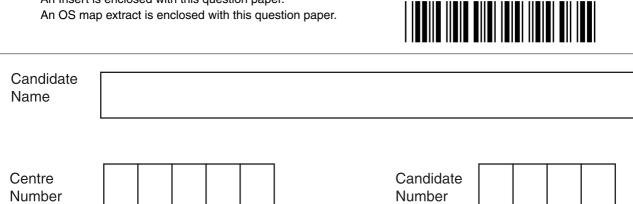
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Afternoon

Time: 1 hour

An Insert is enclosed with this question paper.





#### **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 Exam | iner's Use |
|----------|------------|
| Qu.      | Mark       |
| 1        |            |
| 2        |            |
| 3        |            |
| Total    |            |

This document consists of 10 printed pages, 2 blank pages, an OS map and an Insert.

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## **Population**

| 1 |     | dy F<br>0–20 | which     | shows            | the             | popu              | lation  | chang   | je of              | the    | contin  | ents  | of E | urope  | and    | Asia,  |
|---|-----|--------------|-----------|------------------|-----------------|-------------------|---------|---------|--------------------|--------|---------|-------|------|--------|--------|--------|
|   | (a) | Cor<br>Fig.  | the ch    | anges ir         | n pop           | ulatior           | n of Eu | ırope a | nd As              | ia bet | ween    | 1750  | and  | 2005,  | as sho | wn in  |
|   |     |              | <br>      |                  |                 |                   |         |         |                    |        |         |       |      |        |        |        |
|   |     |              | <br>      |                  |                 |                   |         |         |                    |        |         |       |      |        |        |        |
|   |     |              | <br>      |                  | •••••           |                   |         |         |                    |        |         |       |      |        |        |        |
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|   | (b) | (i)          |           | an und<br>change | dersta<br>throu | anding<br>Igh tim | of the? | ne der  | nogra <sub>l</sub> | phic   | transit | ion n | node | l help | to e   | xplain |
|   |     |              | <br>      |                  |                 |                   |         |         |                    |        |         |       |      |        |        |        |
|   |     |              | <br>      |                  |                 |                   |         |         |                    |        |         |       |      |        |        |        |
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|   |     |              | <br>      |                  |                 |                   |         |         |                    |        |         |       |      |        |        | [6]    |

|     |              | State and explain <b>two</b> limitations of the demographic transition model.  |
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|     |              | [6]  |
| (c) | duri<br>in F | term 'total fertility rate' is defined as the average number of children born to a woman ng her lifetime. Variations in the total fertility rates of selected countries in 2005 are shown g. 2.  gest <b>two</b> reasons why these rates differ. |
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### 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.

|       | at is meant by the term 'counterurbanisation'?  |
|-------|---|
| ) (i) | With reference to specific evidence from the OS map extracts, describe <b>two</b> changes in the built environment of Hayfield between 1971 and 2004. |
|       |   |
|       |   |
|       |   |
| (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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| (d) | With reference to one or more rural regions in an MEDC, describe and explain the impact of population change in the last 40 years. |
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[Total: 25]

## **Urban Settlement**

| 3 | (a) | Stud<br>200 | ly Fig.3 which shows average annual internal migration flows to Cairo, Egypt, 1996-<br>4. |
|---|-----|-------------|---|
|   |     | (i)         | With specific reference to Fig. 3, describe the pattern of migration flows to Cairo.      |
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|   |     | (ii)        | Suggest <b>two</b> reasons for this pattern.  |
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|   |     |             |   |
|   |     |             | a)  |

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| (b) | State and explain how natural increase contributes to urban growth in LEDCs. |     |
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| (c) | With reference to a named urban area in an LEDC, describe and explain the changes in the urban environment arising from rapid population growth. |
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[Total: 26]

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