

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS
GENERAL CERTIFICATE OF SECONDARY EDUCATION**

2403

GEOGRAPHY C (1988)

**Terminal Examination
(Higher Tier)**

MONDAY 14 JUNE 2010: Morning

DURATION: 2 hours 15 minutes

SUITABLE FOR VISUALLY IMPAIRED CANDIDATES

Candidates answer on the Answer Booklet

OCR SUPPLIED MATERIALS:

**12 page Answer Booklet
OS Map Extract (inserted)**

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the spaces provided on the Answer Booklet.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer **FOUR** questions: **TWO** from Section A, **ONE** from Section B and **ONE** from Section C.

SECTION A: PLACES

Answer **TWO** questions from A1, A2 and A3.

SECTION B: PHYSICAL THEMES

Answer **EITHER** Question B4 **OR** Question B5.

SECTION C: HUMAN themes

Answer **EITHER** Question C6 **OR** Question C7.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is 100.
- You will be awarded marks for the quality of written communication where an answer requires a piece of extended writing.
- Even when not specifically asked for, credit will be given for sketch maps, diagrams and examples of places which you have studied, providing they are relevant to your answer.
- These abbreviations are used:

EU – European Union which includes the United Kingdom

LEDC – Less Economically Developed Country.

MEDC – More Economically Developed Country.

SECTION A: PLACES

Answer TWO Questions from this section

QUESTION A1

THIS QUESTION IS ABOUT PLACES IN THE EUROPEAN UNION (EU).

Study Fig.1 below.

Fig.1 Selected statistics for Poland

MEASURE	2004	2008
Net Migration (immigration minus emigration)	−9382	−20 485
Purchasing power standard (EU average = 100)	50.7	53.6
% unemployment rate	19	12.8
Life expectancy (years)	70.6	75.4
% households with internet access	26	41
Infant mortality rate (per 1000)	6.8	6.9

- (a) In 2004 Poland joined the European Union.
According to Fig. 1:
- (i) State ONE economic measure indicating that Poland is better off.
 - (ii) State ONE measure that suggests healthcare has improved. [2]
- (b) According to Fig. 1, state TWO measures to suggest that not everything in Poland has improved since 2004. [2]
- (c) Suggest TWO reasons why many people have recently migrated from Eastern European countries, such as Poland. [6]

Study Fig. 2 on the separate A3 sheet.

- (d) In 2012 the European Football Championships are planned to be held in Poland.
Explain TWO ways that this could promote regional economic change within Poland. [6]
- (e) For an international migration that you have studied involving at least one EU country:
- (i) Name the TWO countries involved in this migration;
 - (ii) Using specific detail, describe and explain the EFFECTS of the migration (the effects could be in either the origin or destination country or both). [9]

[Total: 25 marks]

QUESTION A2

THIS QUESTION IS ABOUT LEDCS.

Study Fig. 3 on the separate A3 sheet.

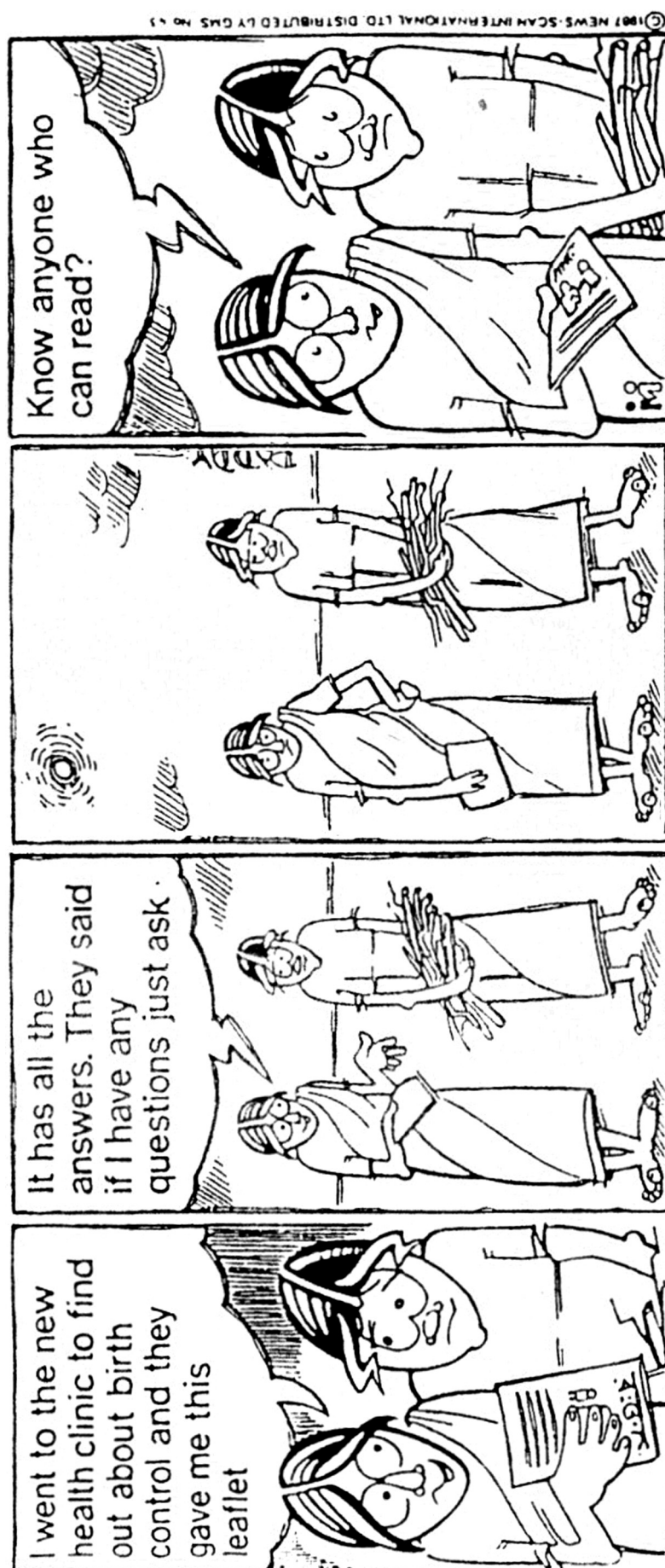
- (a) According to Fig. 3:**
 - (i) Which continent contains the two countries with most population?**
 - (ii) Which country has the highest infant mortality rate? [2]**
- (b) Write TWO statements to summarise patterns shown by the scattergraph. [2]**
- (c) Suggest TWO ways an aid charity such as Oxfam might use the scattergraph to make decisions about its aid programmes. [6]**

Study Fig. 4 opposite

- (d) What messages might this cartoon communicate about development in LEDCs? [6]**
- (e) For an LEDC development project that you have studied:**
 - (i) Name and locate the specific development project;**
 - (ii) With reference to specific place detail, describe the main features of the project;**
 - (iii) How sustainable is the development project? [9]**

[Total: 25 marks]

Fig. 4 Cartoon about women and development in LEDCs



QUESTION A3

THIS QUESTION IS ABOUT MEDCS (EXCLUDING THE EU).

Study Fig. 5 on the separate A3 sheet.

Mt St Helens is a volcano in NW USA that experienced a violent eruption on 18 May 1980.

- (a) (i) Identify the grid square containing the crater of the Mt St Helens volcano.**
- (ii) What is the main economic activity taking place in C2? [2]**
- (b) State TWO changes caused by the volcanic eruption to the physical landscape shown on Fig. 5. [2]**
- (c) Identify and explain TWO ways that the 1980 volcanic eruption of Mt St Helens might have influenced land use. [6]**
- (d) Mt St Helens is still an active volcano. Suggest TWO reasons why people in MEDCs choose to live close to natural hazards such as this despite the potential dangers. [6]**
- (e) For a natural hazard event that you have studied in an MEDC (OUTSIDE THE EU):**
 - (i) Name and locate the natural hazard event;**
 - (ii) With reference to specific place detail, show the physical processes that caused the hazard and how human activities affected it. [9]**

[Total: 25 marks]

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TURN OVER FOR SECTION B

SECTION B: PHYSICAL THEMES
Answer EITHER Question B4 OR B5

QUESTION B4

THIS QUESTION IS ABOUT PHYSICAL SYSTEMS AND ENVIRONMENTS.

Study Fig. 6 opposite.

- (a) Name TWO greenhouse gases. [2]**
- (b) Briefly state the mistake that the man in the cartoon is expressing. [2]**

Study Fig. 7 on the separate A3 sheet.

- (c) Explain TWO possible consequences for human activity shown by the predicted changes in Fig. 7. [6]**
- (d) DRAW an annotated diagram to show how greenhouse gases are thought to cause global warming (the ‘greenhouse effect’). [6]**
- (e) For a physical landscape that you have studied:**
 - (i) Name and locate your chosen physical landscape;**
 - (ii) Using specific detail, describe and explain the formation of TWO of the landforms that make up the physical landscape AT THIS SPECIFIC LOCATION. [9]**

[Total: 25 marks]

Fig. 6 A cartoon about global climate change



QUESTION B5

THIS QUESTION IS ABOUT NATURAL HAZARDS AND PEOPLE.

Study Fig. 8 on the separate A3 sheet.

(a) According to Fig. 8:

(i) In which direction was the hurricane (tropical storm) moving?

(ii) What was the highest predicted storm category for Hurricane Dean? [2]

(b) Estimate the latitude and longitude of Hurricane Dean at 8 pm on Thursday. [2]

(c) Explain TWO reasons why such storms have their origin in the tropics. [6]

(d) Explain TWO reasons why the effects of tropical storms are usually worse in LEDCs than in MEDCs. [6]

(e) In areas experiencing natural hazards, buildings often have special features to protect against the hazard.

For a natural hazard that you have studied:

(i) State the natural hazard;

(ii) With the aid of a diagram and using specific detail, explain how buildings are designed to help protect against this hazard. (An annotated diagram could be an acceptable form of answer for all the marks.) [9]

SECTION C: HUMAN THEMES
Answer EITHER Question C6 OR C7

QUESTION C6

THIS QUESTION IS ABOUT ECONOMIC SYSTEMS AND DEVELOPMENT.

Study the two OS map extracts on the separate sheet.

- (a) State TWO changes to the main road network for Kettering between 1987 and 2007. [2]**

Study Fig. 9 on the separate A3 sheet.

- (b) Latimer Park, an industrial estate, (circled on the 2007 map) has developed since 1987.
Fig. 9 is a recent photograph of the site.**

(i) What industrial land use was there in 1987?

(ii) From which direction was the photograph taken? [2]

- (c) Latimer Park is home to two large companies, a Morrisons Distribution Centre (labelled A on the photograph) and Weetabix (labelled B on the photograph).**

Using evidence from both the 2007 map and photograph, suggest TWO reasons why it is a good location for economic activity. [6]

- (d) People living in Burton Latimer may have mixed views about Latimer Park. Explain TWO contrasting views that they might have. [6]**
- (e) For a specific example of an economic activity that you have studied at a LOCAL scale (for example a farm, factory or supermarket):**
- (i) Name and locate the specific economic activity;**
 - (ii) DRAW this example as a systems diagram using specific detail in each section. [9]**

[Total: 25 marks]

QUESTION C7

THIS QUESTION IS ABOUT POPULATION AND SETTLEMENT.

Study the two OS map extracts on the separate sheet.

- (a) The village of Pytchley is located to the south of Kettering.**
 - (i) Give the six-figure grid reference for the crossroads in Pytchley.**
 - (ii) Approximately how far in kilometres is Pytchley from the junction of the A14 with the A509? [2]**
- (b) The OS map extracts show that the village of Pytchley has lost some services since 1987 and kept others. According to the maps:**
 - (i) State ONE service that Pytchley has lost since 1987;**
 - (ii) State ONE service that Pytchley has kept. [2]**

Study Fig. 10 on the separate A3 sheet.

- (c) What messages might the photographs communicate about living in a village? [6]**
- (d) Give TWO reasons why people from Pytchley may travel regularly to Kettering town centre. [6]**

(e) For a settlement that you have studied:

(i) Name and locate the settlement;

(ii) Describe and explain the reasons for the location of the settlement. [9]

[Total: 25 marks]



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