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For Examiner's Use

General Certificate of Education June 2007 Advanced Subsidiary Examination

# GEOGRAPHY (SPECIFICATION B) Unit 1 The Dynamics of Change

GGB1



Friday 25 May 2007 1.30 pm to 2.30 pm

You will need no other materials.
You may use a calculator.

Time allowed: 1 hour

#### **Instructions**

- Use blue or black ink or ball-point pen. You may use pencil for maps, diagrams and graphs.
- Fill in the boxes at the top of this page.
- Answer all questions.
- Answer the questions in the spaces provided.
- Do all rough work in this book. Additional lines have been included so that you can cross through any work you do not want to be marked. You do not have to fill all of the space provided to gain maximum marks.
- Give sketch maps, diagrams and specific examples, where appropriate.

#### **Information**

- The maximum mark for this paper is 60.
- The marks for questions are shown in brackets.
- You are expected to use a calculator where appropriate.
- You will be marked on your ability to use an appropriate form and style of writing, to organise relevant information clearly and coherently, and to use specialist vocabulary where appropriate. The legibility of your handwriting and the accuracy of your spelling, punctuation and grammar will also be considered.

For Examiner's Use						
Question	Question	Mark				
1		3				
2		4				
Total (Column 1)						
Total (Column 2) —						
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S5-032-1/Jun07/GGB1 6/6 GGB1

# Answer all questions in the spaces provided.

# Total for this question: 10 marks

1	Usin	g example(s) from a fieldwork investigation that you have undertaken:
	(a)	State <b>one</b> hypothesis and describe <b>one</b> method used to <b>present</b> the relevant data. Why did you choose this method?
		Hypothesis
		(5 marks)

How did your results help to improve your understanding of the topic or environment investigated?
(5 marks)

Turn over for the next question

<u>10</u>

(b)

# Total for this question: 16 marks

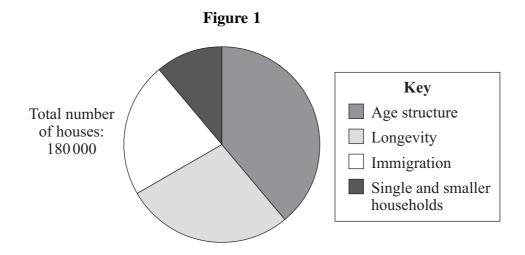
	In relation to river studies, what is meant by the term 'knick point'?
	(2 ma
(b)	Describe and suggest reasons for variations in valley long profiles.

(c)	For <b>one</b> of these profiles, explain how processes of river erosion have contributed to its formation.
	(6 marks)

### **Total for this question: 17 marks**

3 (a) A report published in 2005 predicted that 180 000 extra houses would be needed in the UK each year up to 2021 in order to satisfy demands caused by social and demographic changes.

Figure 1 shows major causes of increased demand for houses.



What is longevity and why does it lead to an increase in demand for houses?
(3 marks)

(i)

(ii)	Estimate how many extra houses are needed as a result of:
	longevity
	(2 marks)
	single and smaller households.
	(2 marks)

Question 3 continues on the next page

(b)	Two problems that have arisen as a result of harnessing energy are:
	acid deposition
	the emission of 'greenhouse gases'.
	For <b>one</b> of these, describe the cause(s) of the problem and suggest strategies that have been, or could be, adopted to reduce the problem.
	Chosen problem

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Turn over for the next question

**17** 

### Total for this question: 17 marks

### 4 (a) Study Figures 2a and 2b.

Figure 2a

#### **Self-employment**

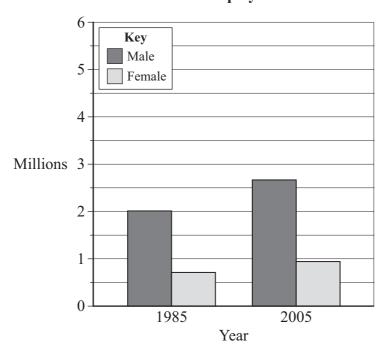
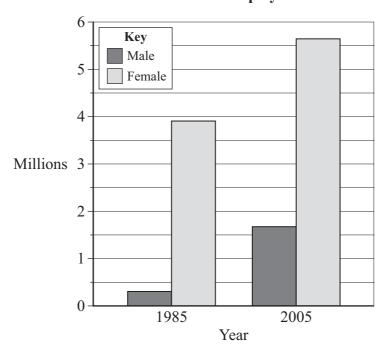


Figure 2b

#### **Part-time Employment**



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#### **END OF QUESTIONS**

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