

Surname						Other Names					
Centre Number						Candidate Number					
Candidate Signature											

Leave blank

General Certificate of Education
 June 2003
 Advanced Subsidiary Examination



GEOGRAPHY (SPECIFICATION B)
Unit 1 The Dynamics of Change

GGB1

Friday 23 May 2003 Afternoon Session

In addition to this paper you will require:

- The insert for use with Questions 3 and 4 (enclosed).

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 in the space provided.
- Do all rough work in this book. Cross through any work you do not want marked.
- Give sketch maps, diagrams and specific examples, where appropriate.
- If there is not enough space for your answer(s), use the extra page(s) at the end of the book. If you do this, make sure that you show the number of the question you are answering.

Information

- The maximum mark for this paper is 60.
- Mark allocations are shown in brackets.
- You are expected to use a calculator where appropriate.
- You will be assessed 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 degree of legibility of your handwriting and the level of accuracy of your spelling, punctuation and grammar will also be taken into account.

For Examiner's Use			
Number	Mark	Number	Mark
1			
2			
3			
4			
Total (Column 1)	→		
Total (Column 2)	→		
TOTAL			
Examiner's Initials			

Answer **all** questions in the spaces provided.

1 **Total for this question: 16 marks**

Study **Figure 1** which shows daily calorie intake per capita.

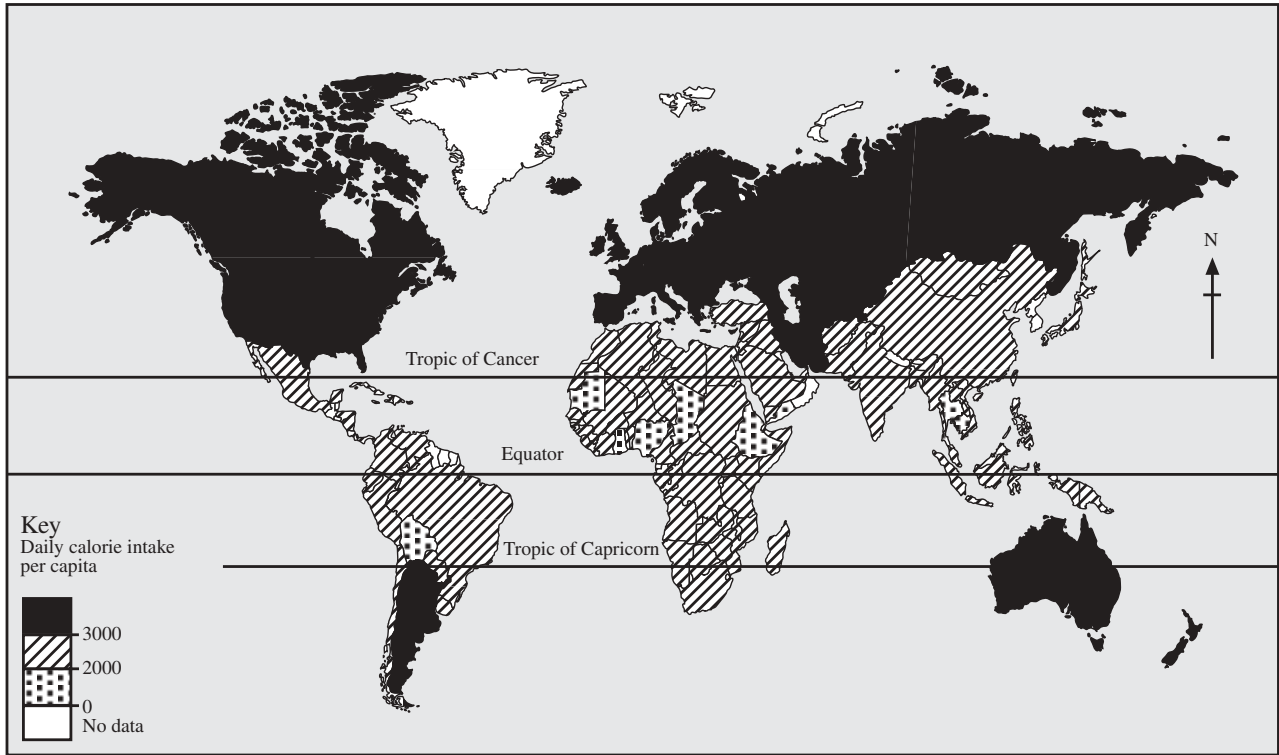


Figure 1

(a) Describe the distribution of areas where the daily calorie intake is **less** than 3000 calories per capita.

.....

.....

.....

.....

.....

.....

.....

.....

(4 marks)

(b) What is meant by the term over-population?

.....
.....
.....
.....

(2 marks)

(c) Some governments have attempted to address imbalances between population and resources.

(i) Describe **one** attempt to control population growth.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

(5 marks)

QUESTION 1 CONTINUES ON THE NEXT PAGE

Turn over ►

(ii) Describe **one** attempt to increase resource availability.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(5 marks)

$\frac{16}{}$

3

Total for this question: 17 marks

- (a) **Figure 2** (*insert*) shows the composition of employment in the UK in 1978 and 1998.

Compare the **difference** between the change in manufacturing employment with the change in service employment.

.....
.....
.....
.....
.....
.....

(3 marks)

- (b) Select **one** type of service activity. Suggest reasons for regional variations in the rate of growth of that activity in the last 30 years.

.....
.....
.....
.....
.....
.....
.....
.....

(4 marks)

4

Total for this question: 17 marks

(a) Study **Figure 3** (*insert*) which shows changes in rainfall recorded at a station in the upper catchment of a drainage basin over a period of 24 hours during the passage of a depression.

(i) Describe the pattern of rainfall over the period of time shown.

.....
.....
.....
.....
.....
.....
.....
.....

(4 marks)

(ii) Suggest reasons for the pattern described in (i).

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

(6 marks)

- (b) Assume the drainage basin had recently experienced a period of prolonged heavy rainfall. Describe, and suggest reasons for, the shape of the storm hydrograph that would result from the pattern of rainfall input in **Figure 3**.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(7 marks)

END OF QUESTIONS

Acknowledgement of copyright-holders and publishers

Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and AQA will be happy to rectify any omissions of acknowledgement in future if notified.

Turn over ►



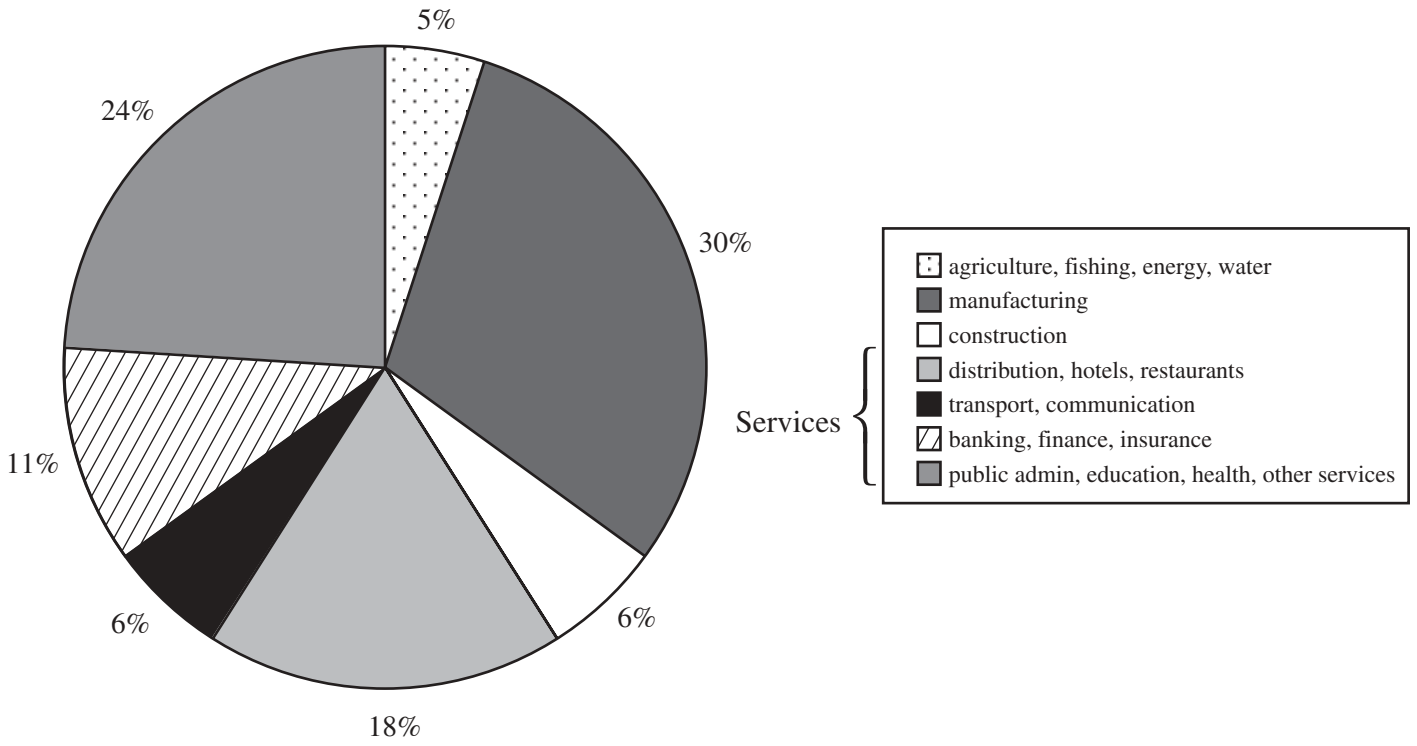
General Certificate of Education
June 2003
Advanced Subsidiary Examination

GEOGRAPHY (SPECIFICATION B)
Unit 1 The Dynamics of Change

GGB1



Employment 1978(%)



Employment 1998(%)

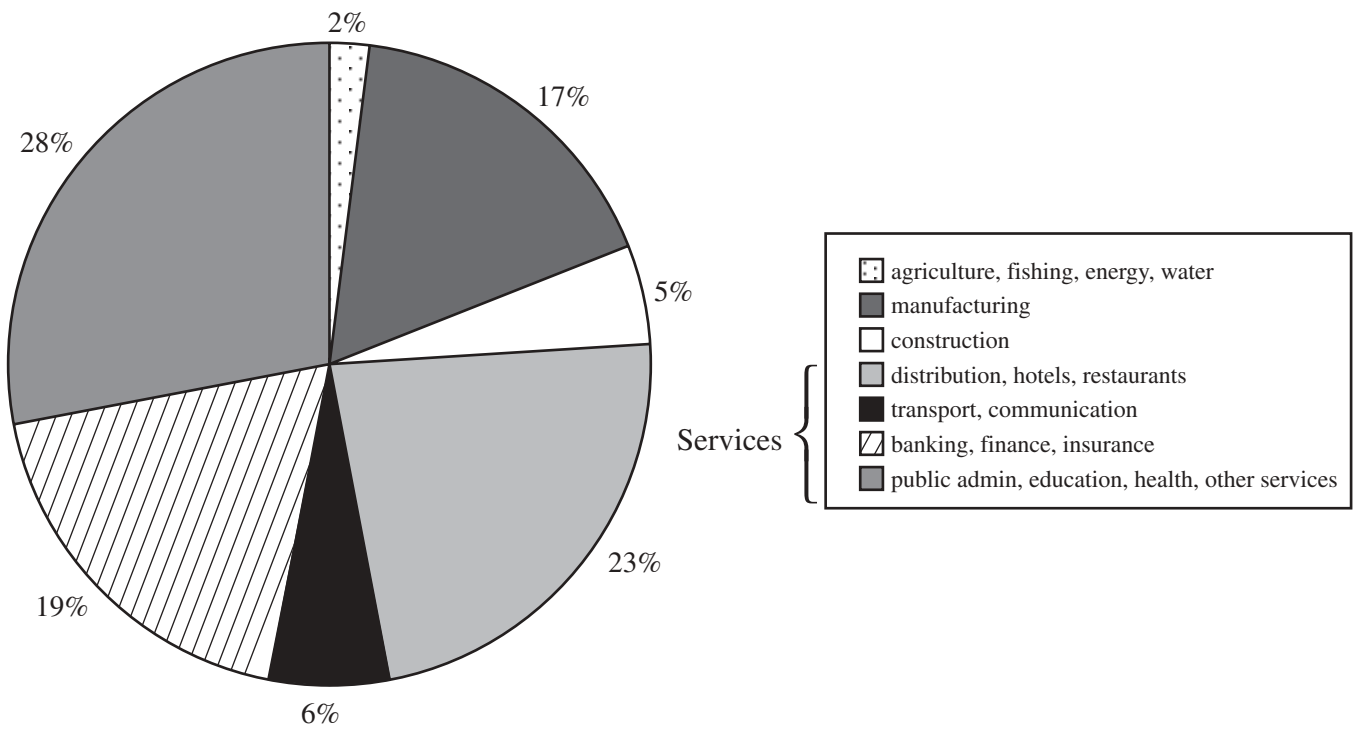


Figure 2

Rainfall (mm) recorded during the passage of a depression over a period of 24 hours

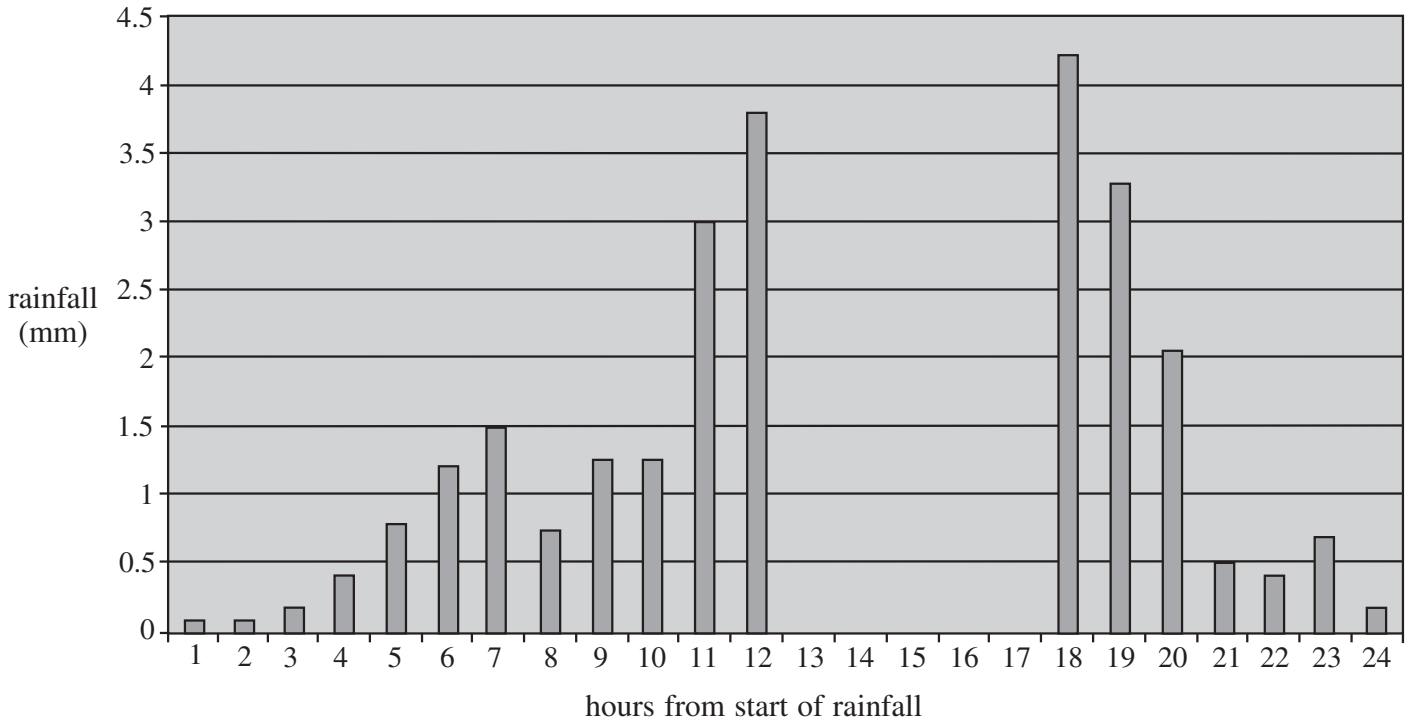


Figure 3