

Surname						Other Names					
Centre Number						Candidate Number					
Candidate Signature											

Leave blank

General Certificate of Education
 June 2006
 Advanced Subsidiary Examination



GEOGRAPHY (SPECIFICATION A)
Unit 3 Geographical Skills

GGA3

Friday 26 May 2006 1.30 pm to 2.30 pm

For this paper you must have:

- the resource booklet (enclosed)

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 **one** question, **either** Question 1 in Section A, **or** Question 2 in Section B.
- Do all rough work in this book. Cross through any work you do not want marked.

Information

- The maximum mark for this paper is 50.
- The marks for questions are shown in brackets.
- You are expected to use a calculator where appropriate.
- You are reminded of the need for good English and clear presentation in your answers. All questions should be answered in continuous prose. Quality of Written Communication will be assessed in all answers.

Advice

- Where appropriate, credit will be given for the use of diagrams and where reference is made to your personal investigative work.

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

There are no questions printed on this page

Answer **one** question, **either** Question 1 in Section A, **or** Question 2 in Section B.

SECTION A

Answer **all** parts of this question in the spaces provided.

The Physical Environment

Title: Tropical rainforests

1 (a) (i) **Figure 1** (*resource booklet*) is a photograph of tropical rainforest vegetation.

Figure 2 is a black and white photocopy of **Figure 1**.

Label **Figure 2** to show the characteristics of the vegetation.

Figure 2

Photo: tropical rainforest vegetation - not reproduced here
due to third-party copyright constraints.

(6 marks)

Question 1 continues on the next page

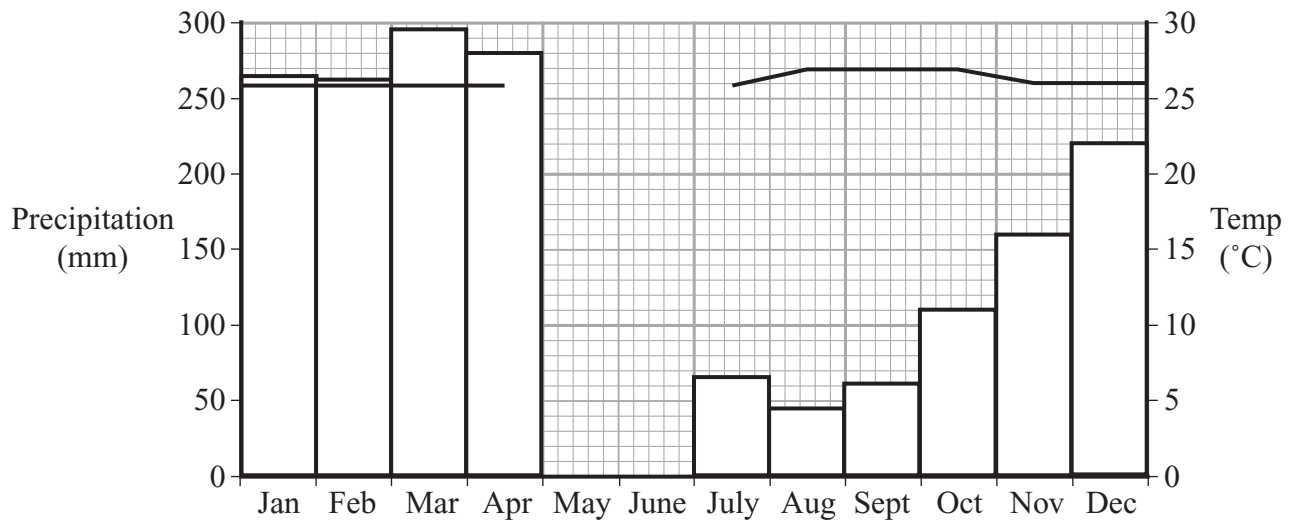
Turn over ►

(ii) **Figure 3** shows the climate of Manaus, Brazil.

Complete **Figure 3** by adding the following information.

Month	Temperature (°C)	Precipitation (mm)
May	26	204
June	26	103

Figure 3



(3 marks)

- (iii) **Figures 4a and 4b** (*resource booklet*) show some specific features of tropical rainforest vegetation.

Referring to **Figures 1, 3, 4a and 4b**, explain how the vegetation has adapted to the climate.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(8 marks)

Question 1 continues on the next page

Turn over ►

(b) **Figure 5** (*resource booklet*) shows plants and animals in a tropical rainforest biome.

In the space provided, draw a sketch pyramid of number **or** biomass to show the trophic levels in the tropical rainforest biome and provide an example of each level.

(4 marks)

(c) **Figure 6** (*resource booklet*) shows the nutrient cycle in tropical rainforests before and after deforestation.

Outline the impact of deforestation on the nutrient cycle.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(6 marks)

(d) **Figure 7** (*resource booklet*) shows the extent of tropical rainforest.

(i) Describe and comment on the information shown in **Figure 7**.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(5 marks)

Question 1 continues on the next page

Turn over ►

- (e) (i) You have experienced geography fieldwork as part of the course.

For **any** geography fieldwork study that you have undertaken (either physical or human), state its aim and the idea/concept/theory/model that underpins the aim.

.....

.....

.....

.....

.....

.....

(3 marks)

- (ii) For **one** item of primary data you collected for the study in (e)(i), outline the method used and justify the method selected.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(5 marks)

End of Section A

Do **not** answer this section if you have answered Question 1 in Section A.

SECTION B

Answer **all** parts of this question in the spaces provided.

The Human Environment

Title: Urbanisation and re-urbanisation

- 2** (a) **Figure 9** (*resource booklet*) shows the percentage of population (by country) living in urban areas.

Describe the pattern shown in **Figure 9**.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(6 marks)

- (b) **Figure 10** (*resource booklet*) shows the number of people living in urban areas from 1950 to 1990 and the predicted numbers for 2010 and 2030.

Describe and suggest reasons for the trends shown in **Figure 10**.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

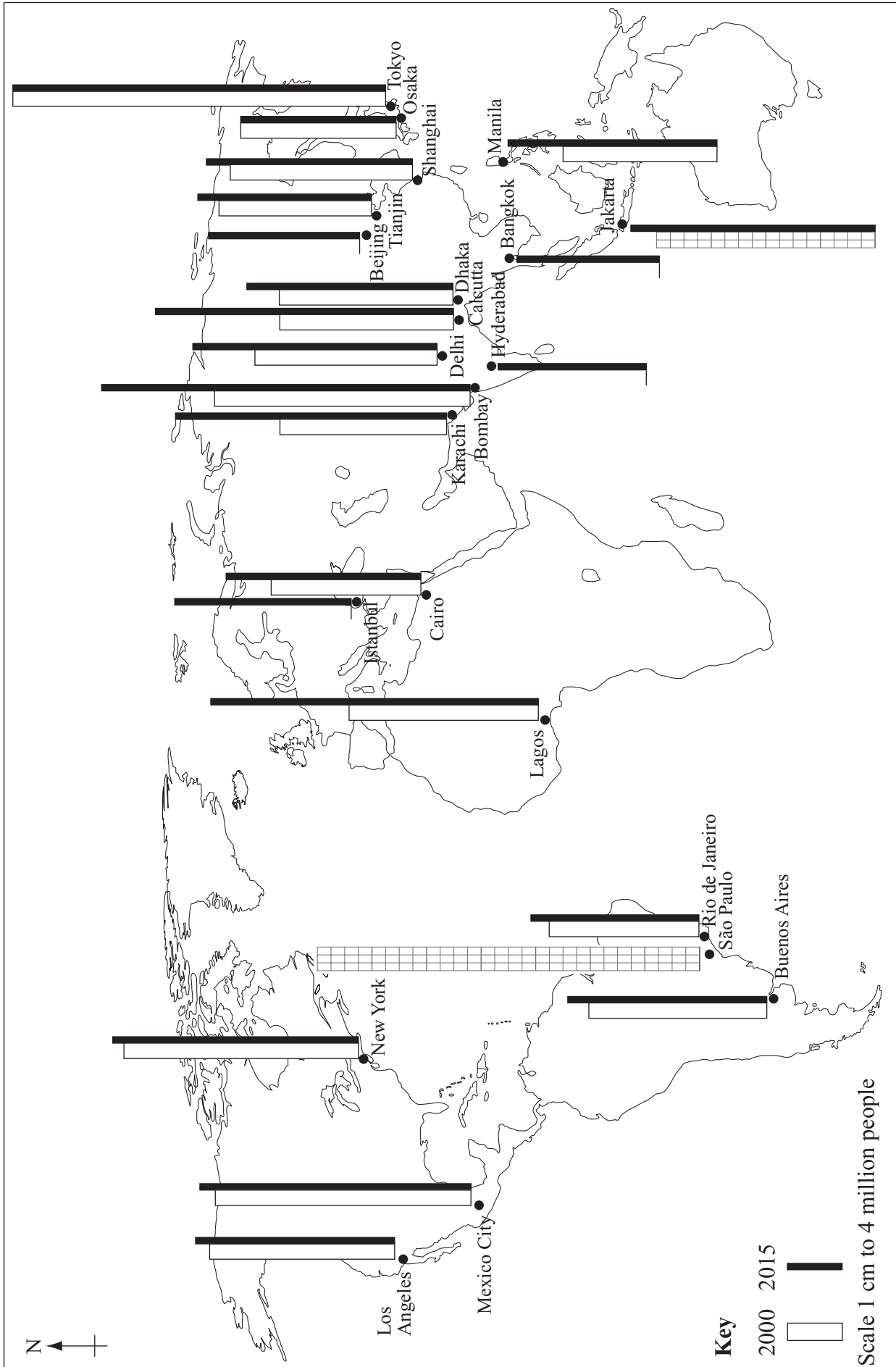
.....

(8 marks)

Question 2 continues on the next page

Turn over ▶

Figure 11



- (c) (i) **Figure 11**, on page 12, shows the population of megacities (population of 10 million or more) in 2000 and predicted population of megacities in 2015.

Complete **Figure 11** by adding the information below.

Year	Megacity	Population (millions)
2000	Jakarta	11.0
2000	São Paulo	17.8
2015	São Paulo	20.4

(4 marks)

- (ii) Describe and comment on the distribution of megacities and the predicted changes between 2000 and 2015 shown in **Figure 11**.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(8 marks)

Question 2 continues on the next page

Turn over ►

- (d) (i) **Figure 12** (*resource booklet*) shows a brownfield site being redeveloped in Leeds.

Figure 13 is a black and white photocopy of **Figure 12**.

Label **Figure 13** to show the characteristics of the buildings and the environment.

Figure 13



(6 marks)

- (e) (i) You have experienced geography fieldwork as part of the course.

For **any** geography fieldwork study that you have undertaken (either physical or human), state its aim and the idea/concept/theory/model that underpins the aim.

.....

.....

.....

.....

.....

.....

(3 marks)

- (ii) For **one** item of primary data you collected for the study in (e)(i), outline the method used and justify the method selected.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(5 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 acknowledgements in future papers if notified.

Question 1 Figures 6 & 7: copyright © Oxford University Press, from *Advanced Geography* by Gareth Nagle (OUP, 2000), reprinted by permission of Oxford University Press

Question 2 Figure 9: from *AS Level Geography* (2000) by Ann Bowen and John Pallister. Reprinted by permission of Harcourt Education

Copyright © 2006 AQA and its licensors. All rights reserved.