Surname				Other	Names				
Centre Number						Candida	ite Number		
Candidate Signature		ire							



General Certificate of Education June 2005 Advanced Level Examination

ASSESSMENT and QUALIFICATIONS ALLIANCE

GGB6

GEOGRAPHY (SPECIFICATION B) Unit 6

Friday 17 June 2005 Morning Session

No additional materials are required.

You may use a calculator.

Time allowed: 1 hour 30 minutes

Instructions

- Use blue or black ink or ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **both** questions.
- Sketch maps, diagrams and specific examples should be given, where appropriate.
- 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.
- Mark allocations are shown in brackets.
- 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				
Total (Column 1)				
Total → (Column 2)				
TOTAL				
Examiner's Initials				

Answer **both** questions.

1		Total for this question: 25 marks
	With	reference to a piece of fieldwork that you have completed:
	(a)	Describe the aim of your fieldwork. State either one hypothesis or one research question that you used. Explain how this hypothesis/research question helped to support your aim.
		(5 marks)

(b)	Describe one technique that you used to present the data you collected. You may draw one or more diagrams to illustrate your answer.

(5 marks)

QUESTION 1 CONTINUES ON THE NEXT PAGE

(c)	Explain the strengths and weaknesses of this technique for presenting your data. Identify an alternative technique that you could have used and explain why you rejected it.
	(8 marks)

(d)	Making clear reference to your actual results, state what conclusions you drew from your fieldwork and explain how you came to them.
	(7 marks)

 $\left(\frac{}{25}\right)$

TURN OVER FOR THE NEXT QUESTION

Total for this question: 25 marks

Figure 1 shows the figures for total annual rainfall for two recording stations over a 16-year period.

Year	Annual rainfall total for a station in South East England (mm)	Annual rainfall total for a station in North Nigeria (mm)
1	781	490
2	618	379
3	563	832
4	586	1037
5	545	594
6	884	855
7	600	376
8	793	350
9	580	479
10	699	761
11	842	688
12	737	1143
13	824	356
14	695	470
15	530	635
16	823	986
TOTAL	11 100	10 431

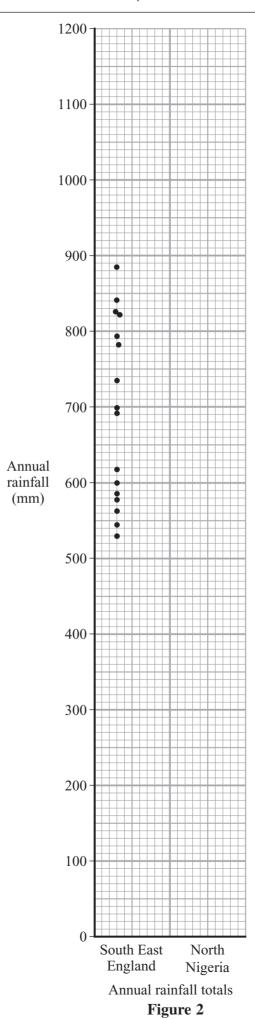
Figure 1

Calculate the mean annual rainfall at each station, to two decimal places.

	(i)	South East England	
	(ii)	North Nigeria	(2 marks)
(b)	(i)	Figure 2 (on page 7) shows the rainfall statistics for South East Eng dispersion diagram. Complete Figure 2 using the rainfall figures for North Nigeria.	sland on a (4 marks)
	(ii)	Identify the upper quartile and lower quartile for each set of rainfall drawing lines on the dispersion diagram.	figures by (4 marks)
	(iii)	Calculate the inter-quartile range for each recording station.	
		Inter-quartile range for South East England	
		Inter-quartile range for North Nigeria	
			(2 marks)

(a)

2



Turn over ▶

(c)	The standard deviation for South East England is 123.82. The standard deviation for North Nigeria is 251.26.
	What do you understand by the term 'standard deviation' in the sentences above?
(d)	Using all the information you have been given, write a report of approximately 300 words comparing the variability of the annual rainfall at these two stations. Comment on the possible effects that this variability could have on people in the two areas.

(10 marks)

END OF EXAMINATION

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