For Examiner's Use

General Certificate of Education
January 2008
Advanced Level Examination

ASSESSMENT and QUALIFICATIONS ALLIANCE

GEOGRAPHY (SPECIFICATION B)   **GGB6**
Unit 6   The Practical Paper

Thursday 31 January 2008   1.30 pm to 3.00 pm

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

Time allowed: 1 hour 30 minutes

Instructions

- Use blue or black ink or ball-point pen. Use pencil only for drawing.
- Fill in the boxes at the top of this page.
- Answer **both** questions.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The maximum mark for this paper is 50.
- The marks for questions are shown in brackets.
- 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.

GGB6

Answer **both** questions.

Total for this question: 20 marks

1 (a) State the main aim of a fieldwork investigation that you have undertaken.

State a hypothesis or research question that you set up, and explain how this helped you to achieve your main aim.

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(3 marks)

(b) Describe **one** method that you used to collect your data.

How did you ensure the accuracy of the data?

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(7 marks)

Question 1 continues on the next page

Turn over ▶

(c) Explain how your investigation helped you to gain an understanding of the area or topic that you were studying.

Your explanation should make specific references to the results that you obtained and to the conclusions that you reached.

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(10 marks)

$\overline{20}$

Turn over for the next question

Total for this question: 30 marks

2 A group of students was studying the area served by a day-care centre for the elderly. The students obtained information about the postcodes of 200 people who used the centre.

Their results are shown in **Figure 1**. The locations of the postcode districts are shown in **Figure 2**.

Figure 1

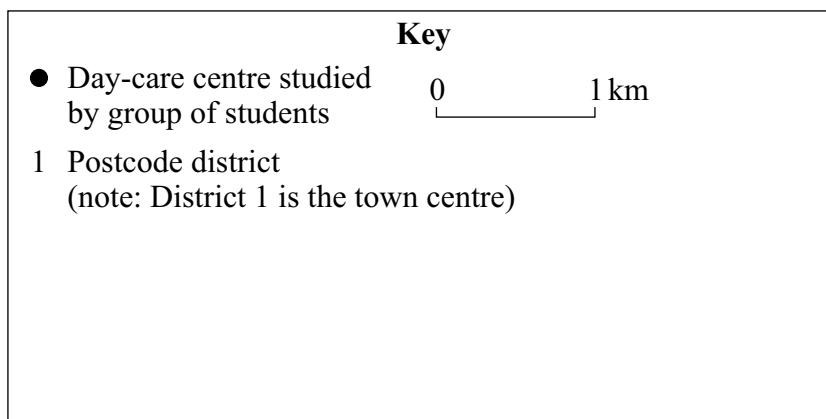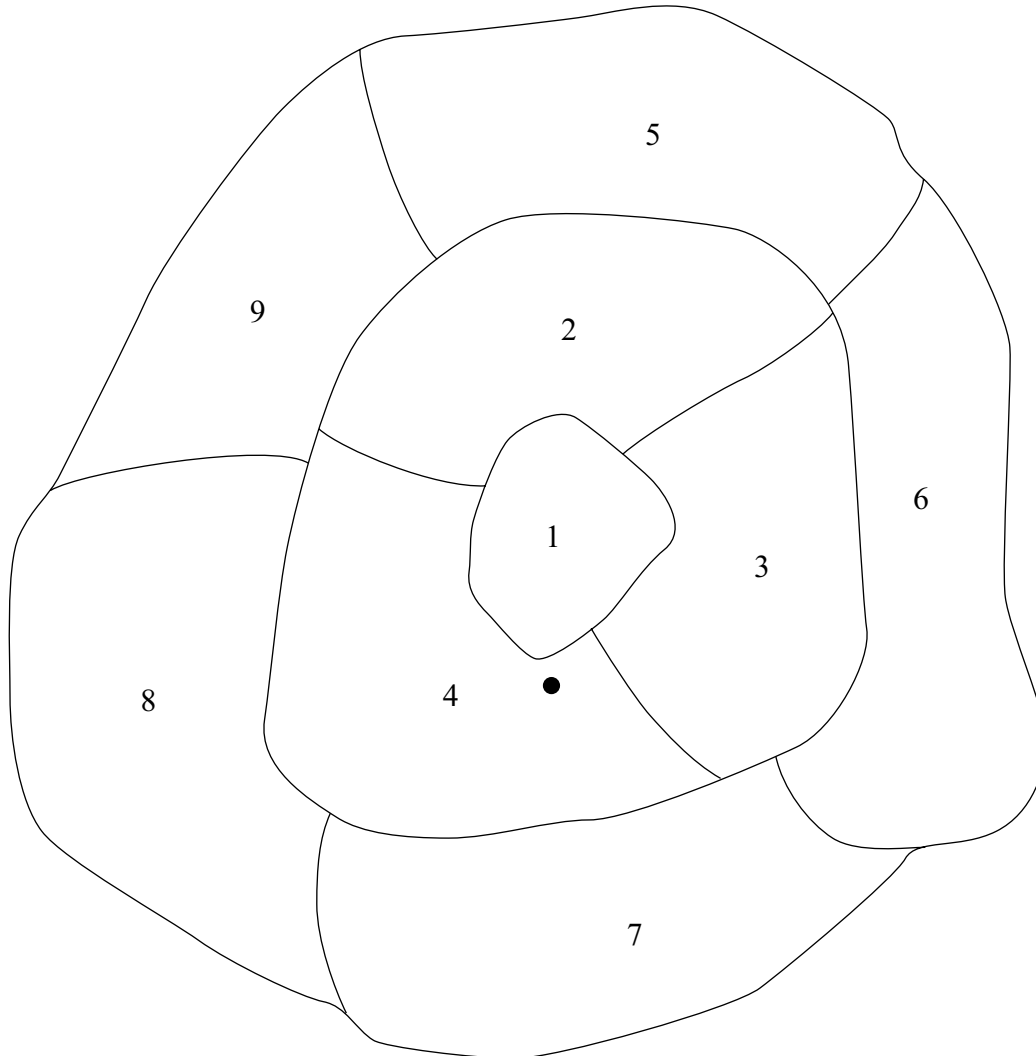| Inner city			Suburban areas		
Postcode district	**Number of users**	**Distance***	**Postcode district**	**Number of users**	**Distance***
1	18	1.0	10	7	6.0
2	7	1.5	11	7	4.5
3	8	1.5	12	12	4.5
4	17	0.5	13	15	4.0
5	8	2.5	14	13	3.5
6	23	1.5	15	8	4.0
7	18	1.5	16	5	5.0
8	10	3.0	17	3	5.0
9	6	3.5	18	7	5.5
			19	4	6.0
			20	1	6.5
			21	2	6.0
			22	1	8.5

*Approximate distance, in kilometres, from centre of district to the day-care centre.

Figure 2
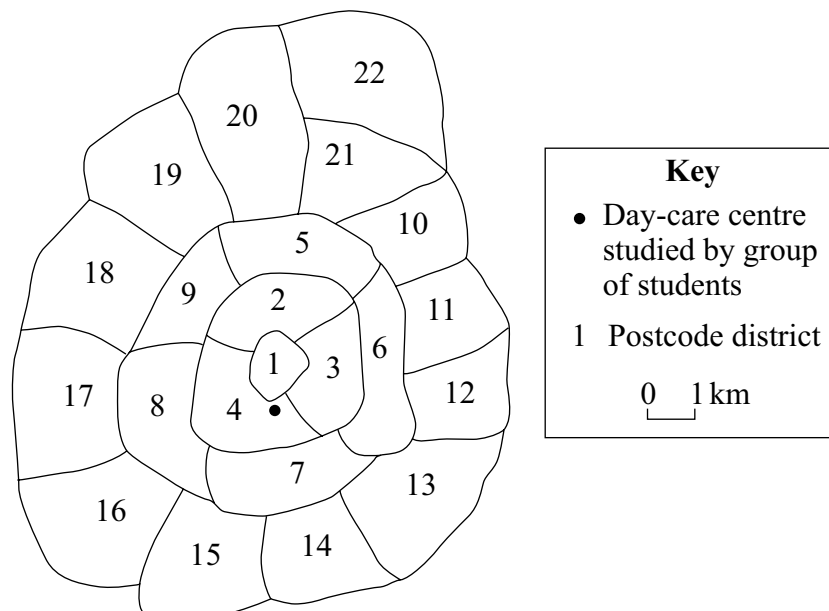
(a)   Use the data in **Figure 1** to complete a desire line map, **Figure 3**, to show the numbers of people visiting the day-care centre from postcode districts 1–9. Provide a key enabling the interpretation of your map.

Figure 3

Key

● Day-care centre studied
   by group of students

0 ⎣_____⎦ 1 km

1   Postcode district
    (note: District 1 is the town centre)

(8 marks)

Question 2 continues on the next page

Turn over ▶

(b) Discuss the strengths and weaknesses of this technique for presenting these data.

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(6 marks)

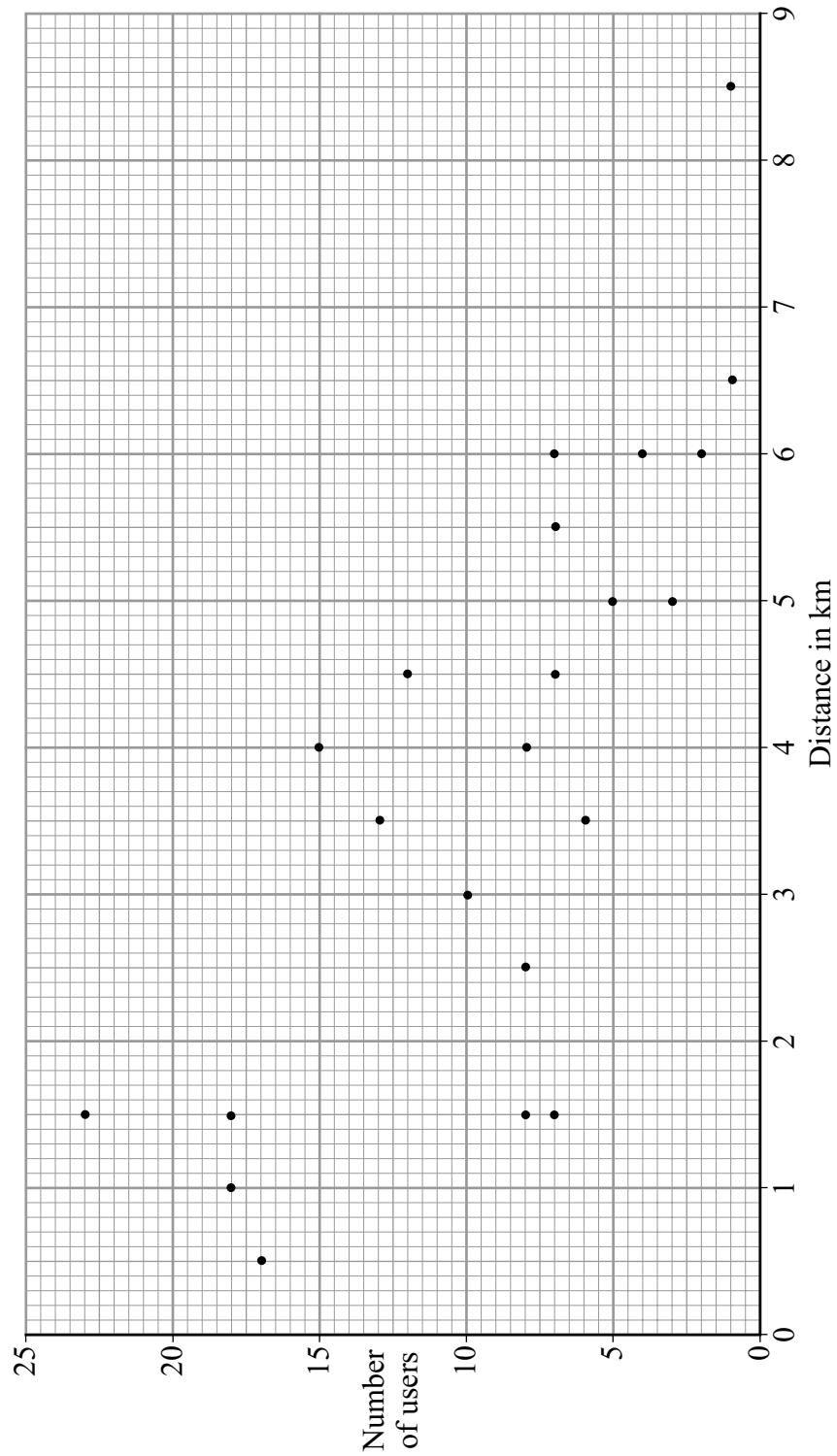**There are no questions printed on this page**

Question 2 continues on the next page

Turn over ▶

(c)   The students drew a scatter graph, showing distance from the day-care centre and number of users from each postcode district. Their graph is shown in **Figure 4**.

Add a best fit line by eye.

Figure 4

(2 marks)

(d) Comment on the relationship shown on the graph.

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(6 marks)

Question 2 continues on the next page

Turn over ▶

(e) The council is considering building another day-care centre in either postcode district 1 or postcode district 20.

What further data would you like to collect before making a decision on which location was more suitable?

Justify your suggestions.

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(8 marks)

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END OF QUESTIONS