

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										



General Certificate of Education
Advanced Subsidiary Examination
January 2010

Geography

GEOG2

Unit 2 Geographical Skills

Friday 22 January 2010 1.30 pm to 2.30 pm

For this paper you must have:

- an Ordnance Survey map extract (enclosed).

You may use a calculator.

Time allowed

- 1 hour

Instructions

- Use black ink or black ball-point pen. Use pencil only for drawing.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Answers written in margins or on blank pages will not be marked.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 50.
- You will be marked on your ability to:
 - use good English
 - organise information clearly
 - use specialist vocabulary where appropriate.

Advice

- Where appropriate, credit will be given for the use of diagrams to illustrate answers and where reference is made to your personal investigative work. You are advised to allocate your time carefully.

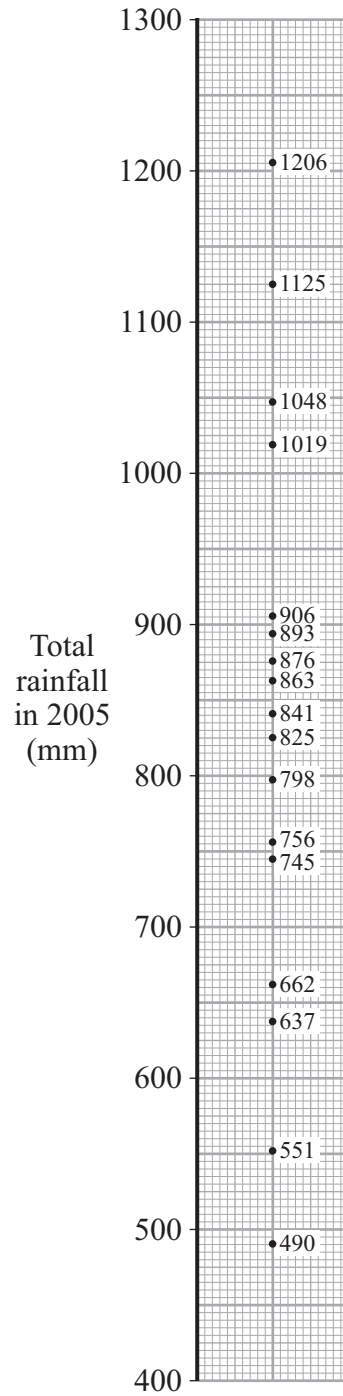
For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
TOTAL	



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

- 1 (a) Study **Figure 1**, a dispersion diagram showing total rainfall at various weather stations across England in 2005.

Figure 1



1 (a) (i) The total rainfall at **two** other weather stations is given below. Plot these data on **Figure 1** and then give the median value.

589 mm

1253 mm

Median (mm)

(3 marks)

1 (a) (ii) Using the formulae provided, state the upper quartile (UQ), lower quartile (LQ) and the interquartile range (IQR) for the completed **Figure 1**.

n = number in the sample

$$UQ = \frac{n + 1}{4} \text{th position in the rank order} = \dots\dots\dots \text{ (mm)}$$

$$LQ = \frac{3(n + 1)}{4} \text{th position in the rank order} = \dots\dots\dots \text{ (mm)}$$

IQR = (mm)

(3 marks)

1 (a) (iii) Using **Figure 1** and your answers in 1(a)(i) and 1(a)(ii), describe the dispersion of rainfall in England in 2005.

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(4 marks)

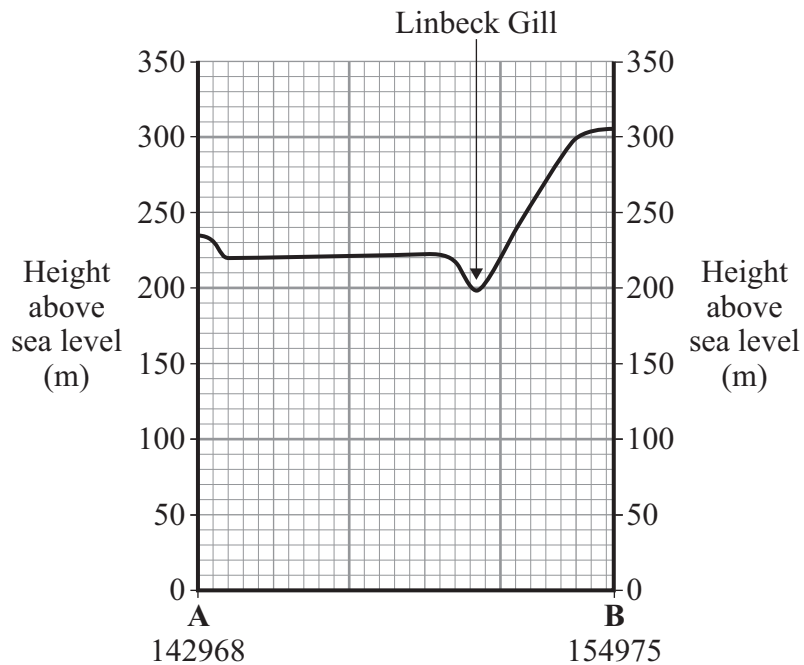
Question 1 continues on the next page

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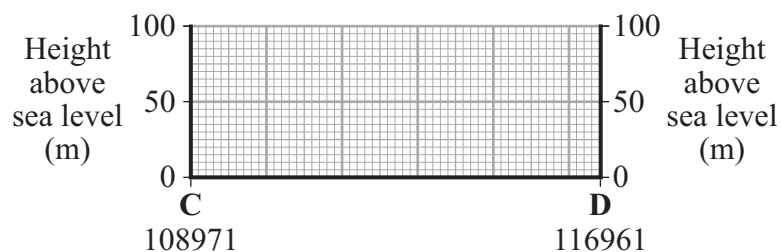
- 1 (b) Study **Figure 2**, the 1:25 000 Ordnance Survey map extract of part of Cumbria, and **Figure 3**, a completed sketch cross-profile of the valley of Linbeck Gill (grid reference 142968 to 154975), a tributary of the River Esk. This is shown as line **A–B** on the extract.

Figure 3



- 1 (b) (i) Complete **Figure 4** by sketching the cross-profile of the River Esk between points **C** and **D** (grid reference 108971 to 116961). Also, add the location of the river.

Figure 4



(4 marks)



1 (b) (ii) Using map evidence from **Figure 2**, describe how and suggest why the two cross-profiles **A–B** and **C–D** differ.

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(7 marks)

(Extra space)

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1 (b) (iii) Draw a labelled sketch of a typical meander in the space provided below.
Include the following:

- typical landforms created in a meander
- processes affecting different parts of the meander.

(4 marks)

25



2 You have experienced geographical fieldwork as part of the course. Use this experience to answer the following questions.

2 (a) (i) State the aim of your investigation and describe **one** method of data collection associated with the aim.

Aim

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Method

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(6 marks)

(Extra space)

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2 (a) (ii) Discuss the strengths and weaknesses of the method of data collection in 2(a)(i).

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(6 marks)

(Extra space)

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2 (b) Describe **one** method used to present your data.

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(5 marks)

(Extra space)

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Question 2 continues on the next page

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2 (c) How far did your fieldwork conclusions match the geographical theory, concept or idea on which your investigation was based?

[Dotted lines for writing]

(8 marks)

(Extra space) [Dotted lines for writing]

END OF QUESTIONS



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